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AUGUST 10 1963



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MEPYRAMINE MALEATE/ZINC OXIDE CREAM

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25 gramme tubes, in attractive display outers of 10 tubes.

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MEPYRAMINE MALEATE CREAM

for insect bites

and all kinds of stings

25 gramme tubes, in attractive display outers of 10 tubes.

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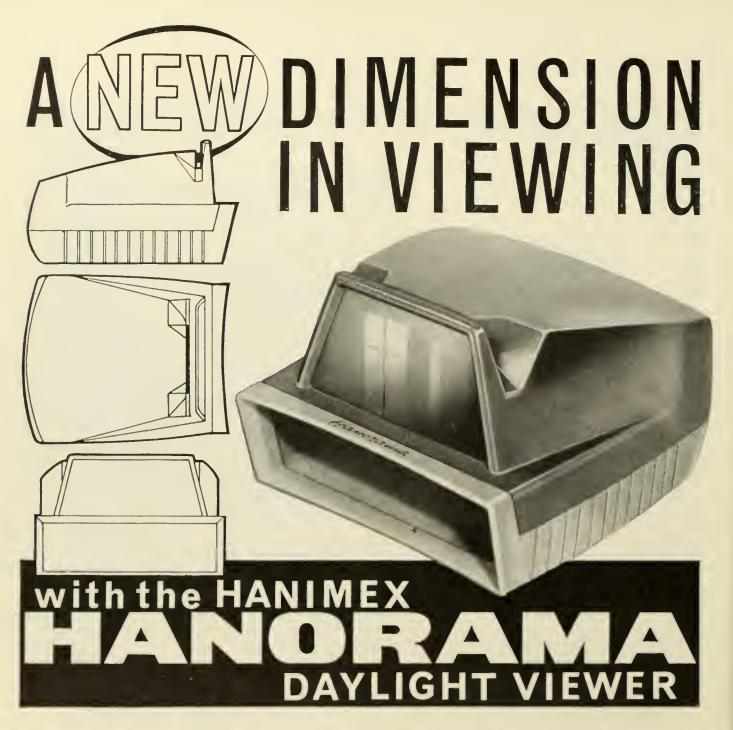
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GUARANTEED

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#### INDEX TO ADVERTISERS

Allen, Stafford, & Sons, Ltd. Amplex Appliances (Kent), Ltd. André Philippe, Ltd.	9 4 7
Berdoe & Fish, Ltd. British Dyewood Co., Ltd. Burroughs Welleome & Co., Priee List Sup., Pa. Burroughs Welleome & Co., Ltd. (Marzine)	4 14 ge 1
Burson Elastic Stockings Interleaved Edit.,	137 13
Cox, Arthur H., & Co., Ltd.	8
Dales Pharmaceuticals, Ltd. Dalmas, Ltd. Davenport, J. T., Ltd.	4 6 14
Fryer & Co. (Nelson), Ltd.	14
Gevaert, Ltd. Gnome Photographic Products, Ltd. Golden, Ltd. (Color-Match) Golden, Ltd. (Elnett) Golden, Ltd. (L'Oreal Bleach)	18 10 12
Hanimex, Ltd. (Hanorama Viewer) Herbert & Sons, Ltd.	2 10
Ilford, Ltd. Ilon Laboratories International Bottle Co., Ltd. Cove	1 7 r iv
Lilia White Sales (Atrixo), Ltd.  London Rubber (Industries), Ltd.	5 16
Maefarlan Smith, Ltd	er ii
Mason, William, & Son, Ltd.  Matthews & Wilson, Ltd.  Mysore, Trade Agent for the Government of	10 4 14
Pharmaceutical Specialities (May & Baker), LtdCov Printar Industries, Ltd	er i 7
Ransom, William, & Son, Ltd	15 8
Strathmore Springs, Ltd. (Trim)	17
Topsy Pharmaceuticals, Ltd.	3
Willows Francis, LtdInterleaved Edit.,	138

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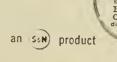
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# **SUMMER DISPLAY OFFER**

DALMAS announce the following Summer Bonus Offer in operation for a limited period on MIMOSEPT Sanitary Napkins.

For a 14 day display of MIMOSEPT your PROFIT MARGIN can be up to 14/- per dozen or 87.5% on cost and 47% on return!

MADAME (New Larger Size).

Packets of 10 retailing at 2/6d. per packet and

MAM'SELLE (Original Size).

Packets of 12 retailing at 2/6d. per packet:-

1 case @ 18'- per dozen net 2 cases @ 17'6 ,, ,, ,, 5 cases @ 17'- ,, ,, ,, 10 cases @ 16'6 ,, ,, ,, 20 cases @ 16'- ,, ,,

You can make sure of delivery while the offer lasts by indicating quantities on the coupon below and mailing it to Dalmas. Dealers who do not already have a MIMOSEPT Display Stand will receive one with their order.

DALMAS LIMITED, 215 CHARLES STREET, LEICESTER

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MADAME	1	case 🗌	2	cases 🗌	5	cases 🗌	10 cases	20	cases [
MAM'SELLE	1	case [	2	cases [	5	cases [	10 cases	20	cases [

I do do not\* have a MIMOSEPT Display Stand

NAME

\*Strike out which is not applicable.

# André Philippe

NEW! The Most Exciting Value in Refillable Aerosol Hair Lacquer Packs yet offered

MASTER PACK with refillable Handbag Spray Unit.

Both Packs filled with André Philippe High Quality Perfumed Lacquer.

No. 6 55/- per dozen plus 25% P.T.

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You can depend on André Philippe Quality We shall be pleased to send you a complete Price List on request

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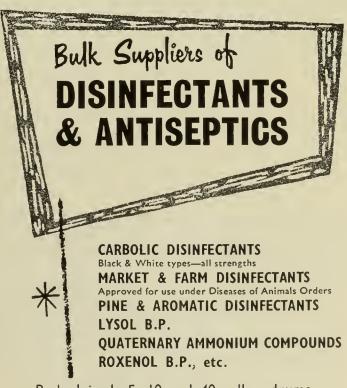
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a unique self-sterile Ointment that compares with no other in the treatment of:-

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- IMPETIGO .
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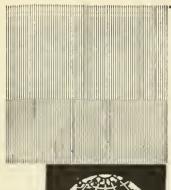


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an excellent formula attractively presented in seven different Chemist's Own Name-Own Brand pack designs.

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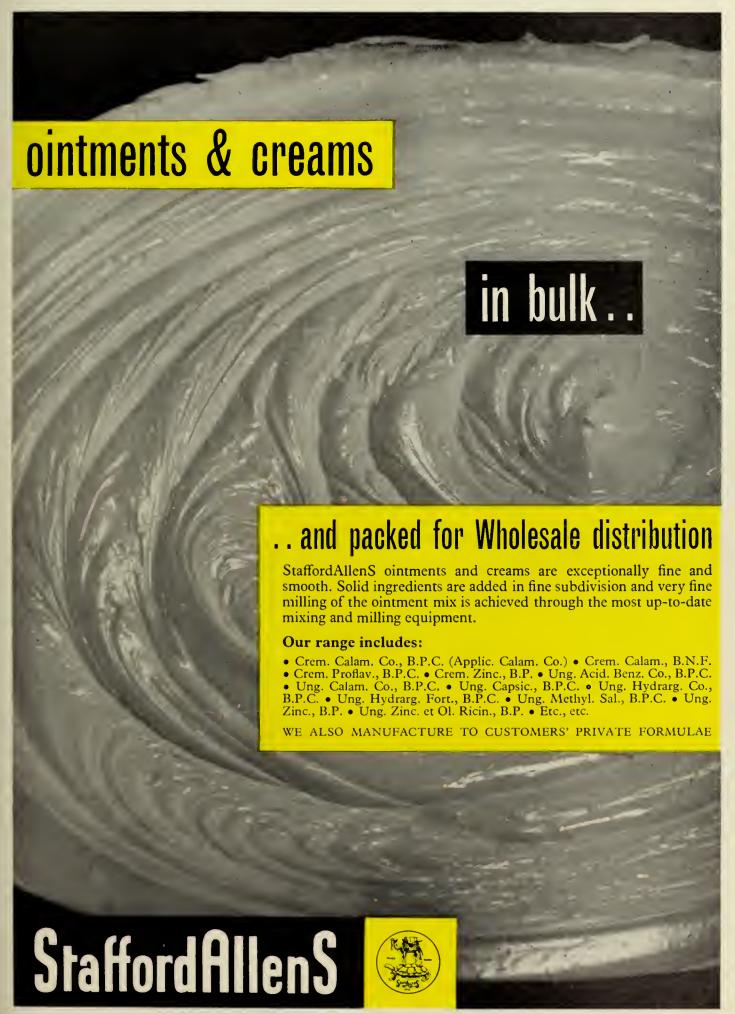
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EASIER for customers to see what you have for sale.

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EASIER for customers to select what they require.

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EASIER to relate one sale to another (productigrouping).

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EASIER to create customers' interest and movement within the shop.

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EASIER for your staff to keep the sales area stocked.

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EASIER to relate the amount of stock held to amount sold.

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EASIER to be flexible and keep up to date.

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EASIER for you to enjoy your lelsure. There's less

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... can show you just how easy it can be—and how profitable! A Nordia consultant is available in your area.

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# WEIGHING MACHINE For Babies—Children—Adults

No Loose Weights—Capacity 20 stone × 1 oz.

These machines are manufactured in our Works at Edmonton, London, N.18.

They have been specially designed for Chemists' shops where space is limited.

Strongly constructed of Cast Iron—white enamelled with tare bar to balance off the Baby Basket.

Will give extremely accurate weighing service and comply with local Weights and Measures Bye-laws.

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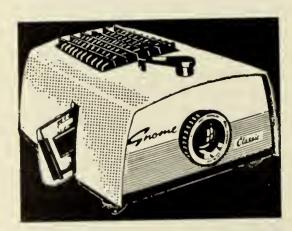
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PRICE £10.19.6. Lamp, extra 30/-

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A 300 500 watt 35 mm Projector with powerful fan cooling and brilliant light output £15 15 0.

Write for details to

GNOME PHOTOGRAPHIC PRODUCTS LIMITED GNOME CORNER, CAERPHILLY ROAD, CARDIFF



'the loveliest blondes are L'OREAL bleached'

Nearly all young would-be-blondes read magazines like WOMAN, WOMAN'S OWN, WOMAN'S MIRROR and HONEY.

This advertising will make them buy and keep them buying. Make sure they buy in your shop-the gay new pack is designed to get maximum attention on your shelves and counters. Display this unit holding 6 cartons and also the attractive full colour showcard.



Berkeley Square House, Berkeley Square, London W1 Mayfair 8240 Republic of Ireland enquiries to Limar Phermeceuticeie Limited, Sentry, Dublin



## THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY and all sections of the drug, pharmaceutical, fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 180

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M

August 10, 1963

No. 4356

#### CONTENTS

American Award-winn	ing Packages		130	
Any Business Question	ns ?		134	
Black-currants by the T			132	
Contributions to Drug			136	
G 1	•••		126	
Drug Share Movemen			133	
Examination Results		• • •	127	
Guide to New Medica		•••	135	
			139	
Latest News in Pharm	acy	• • •	139	
Leading Articles:	TT 1		122	
Potent Drugs in Wro			133	
A Caveat for Chem		• • •	133	
Retention Fees Increas	se		122	
Testing Gum Tragacan	th		132	
Topical Reflections		• • •	123	
usiness Changes 124	New Companie			125
oming Events 141	New Products			128
ommercial Television 141	Notes on Me			141
ompany News 124 ontemporary Themes 142	Patents Personalities	• • • •	• • • •	125
ontemporary Themes 142 eaths 125	Print and Publ			141
xpansion Plans 132	Salesmanship			127
formation Wanted 129	Sport			123
ish News 122	Trade Marks			142
egal Reports 124	Trade Notes			128
larriages 123	Trade Report	datic		140
ew Books 134	Voluntary Liq	uidatio	)IIS	123
ider to Advertisers n 4 C	lassified Adverti	semen	its, p.	19.

Index to Advertisers, p. 4. Classified Advertisements, p. Cumulative price list (home copies only): loose supplement.

MORGAN BROTHERS (PUBLISHERS), LTD.. at 28 Essex Street, Strand, London, W.C.2 Telephone: Central 6565

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ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £3 10s. Single copies 1s. 3d. each (postage 5d.).

# **Enormous success of** [00101-112

# 17 million women will see Color-Match advertising this year

Are you getting your share of profit from this brilliant new market? Color-Match has rapidly established itself as the most successful hair colouring product of its kind. Here's why:

- \* Color-Match colours grey hairs to match the rest of the hair-without changing its natural basic colour.
- \* Color-Match is absolutely harmless. It needs no skin test. It is a liquid used like a shampoo. It is semi-permanent, lasts through 6-8 shampoos and leaves the hair in beautiful condition.

#### THE NEW MARKET

In this new market, not only are the over-30's taking to Color-Match, but the under-30's are using it to revive the basic colour of their hair! Put all six lovely shades of Color-Match on display-every customer of yours who has brown hair is a potential customer for Color-Match!

COLOR-MATCH ADS NOW APPEARING IN

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MODERN WOMAN · EVERYWOMAN · WOMAN'S OWN WOMAN & BEAUTY · SUNDAY EXPRESS

DAILY MIRROR · SUNDAY MIRROR

— SEEN IN ALL BY 17 MILLION WOMEN!



The six Color-Match DARK BROWN · DARK WARM BROWN MID-BROWN · MID-WARM BROWN LIGHT BROWN · LIGHT GOLDEN BROWN

Retail price 4/11 per bottle Trade price 33/8 per dozen Purchase tax 8/5 per dozen

Manufactured and Distributed by:

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Volume 180

AUGUST 10, 1963

No. 4356

# **Hospital Design**

#### A PHARMACY DEPARTMENT CRITICISED

CRITICISM of the layout of a pharmacy department in a hospital opened as recently as 1955 is made in a report in "Hospital Design in Use: Vale of Leven Hospital" (H.M. Stationery Office, price 9s. net) recently published by the Scottish Home and Health Department.

The pharmacy unit is given as an illustration of the importance of studying functional requirements at the earliest stage of planning. At Vale of Leven the department has had to be enlarged because the extent of the service to be provided was not foreseen. Originally intended to supply only the Vale of Leven hospital, the department now supplies eleven separate units and is eramped for area. The review recommends that the department should not be taken as a model for future plans. Points criticised include the in-adequaey of the chief pharmacist's office accommodation (48 sq. ft.); diffieulties in cleaning the aseptic preparation room; unsatisfactory arrangements for storage of current and reserve drug stocks; and the inconvenient siting—away from the main department—of the general pharmacy and improvised disinfeetant stores. New units should provide a goods receipt area; facilities for bottle washing, drying and storage; separate staff room; and unshared w.e. Cause of many of the inadequacies is that layout was determined by the size of the standard building unit rather than by the requirements of the department.

The review is one of a series, the

The review is one of a series, the aim of which is to assess the extent that new or reconstructed hospitals have been found in practice to serve the purposes for which they were designed.

#### **European Chemicals**

MAKERS CONFER IN HAMBURG

THE Cetntre Européen des Fédérations de l'Industrie Chimique, which eonsists of the chemical associations of twelve Western European countries, held a meeting at the level of presidents in Hamburg recently at which discussions covered a number of subjects of mutual and topical interest. On dumping, the associations reaffirmed their earlier decisions to continue close liaison on all cases of dumping of chemicals into and within Europe. The meeting discussed in detail the attitude to be adopted at the forthcoming round of General Agreement on Tariffs and Trade and in particular the problems

associated with the existence of the American selling price system of valuation on coal-tar products. Further action was being deferred until the outcome was known of the hearings before the Tariff Commission in Washington. There was unanimous agreement that efforts should be made to ensure that the European Patent Convention should apply at the outset to all West European countries who wished to become signatories, and that representations to governments supplementing the views already expressed would be submitted by the associations. It was decided to make a study of the planning systems in the West European countries and of any special problems which they created for the chemical industries.

#### **Agricultural Pesticides**

COMMITTEE SEEKS EVIDENCE ON RISKS

THE Advisory Committee on Poisonous Substances used in Agriculture and Food Storage has been invited by the Minister of Agriculture, Fisheries and Food to "review the risks arising from the use of chlorinated hydrocarbon pesticides (more particularly those containing aldrin, dieldrin and heptachlor) in agriculture (including gardening) and food storage, and to make recommendations." The Committee is inviting certain bodies, including the Association of British Manufacturers of Agricultural Chemicals, British Medical Association, British Veterinary Association and Industrial Pest Control Association, to submit written evidence on the subject and is also prepared to receive evidence from other organisations. Memoranda of evidence should be addressed to the secretary, Mr. P. N. M. Moore, Ministry of Agriculture, Fisheries and Food, Room 569, Great Westminster House, London, S.W.1, to arrive by September 15, or at the latest October 23.

#### Cheaper in Britain

AUSTRALIAN MINISTER AND DRUG COSTS

THE cost of tetracycline capsules was the subject of a question addressed to the Australian Minister for Health recently. The Minister stated that sixteen 250-mgm. capsules cost the Australian health scheme £2 13s. 9d. while under the United Kingdom's National Health Service their cost would average £1 6s. 2d. sterling. Explaining the difference, he pointed out that the market in Britain was much wider; tetracycline had been manufactured in Britain for some years while Australian manufacture was just commencing and imported prices included the cost of freight



CONFERENCE DELEGATES AT DRUG FACTORY: Included in the programme of delegates attending the nineteenth International Congress of Pure and Applied Chemistry held in London recently was a visit to the Greenford works of Glavo Laboratories, Ltd. The picture shows Messrs, A, P, Buchanan, W, R, Long (Glavo), B, B, Elsner, A, Banchetti and G, Berti, Professor R, E, Gay and Drs, M, M, Metche and A, Chauveau touring the pharmacy unit.

and insurance. Also distribution costs were higher; wholesalers' margins and chemists' mark-up and professional fees were greater than in Britain. The Federated Pharmaceutical Service Guild of Australia has protested against the inference that chemists were responsible for the increasing cost of the pharmaceutical benefits scheme.

## IRISH NEWS THE REPUBLIC

#### Water Fluoridation

RULED "NOT UNCONSTITUTIONAL"

A JUDGMENT that the Health (Fluoridation of Water Supplies) Act, 1960, is not unconstitutional has been given by Mr. Justice Kenny in the High Court, Dublin. The judge said that he was satisfied that the fluoridation of water supplies to a concentration of I part per million would not cause damage or injury to anyone in the community. Even if dangerous, it was his opinion that fluoridation did not infringe any right of the plaintiff, who was not obliged to drink the water, and could remove almost all the fluoride by the expenditure of a few pounds. The action, brought against the Attorney General by Mrs. Gladys Ryan, Dublin, lasted sixty-five days.

#### **Examination Results**

SUCCESSFUL CANDIDATES

SUCCESSFUL candidates in the Second Professional examination held in July by the Pharmaceutical Society of Ireland were:—Second Class Honours, J. M. Hillery, Pass, Marie C. Brennan, W. J. Byrne, Mary S. Conway, Helen M. Gorry, M. F. McGourty, Barbara McKeever, Anne M. McLaughlin, J. J. McLoughlin, J. P. Morgan, Barbara O'Connell, Margaret M. O'Connell, F. J. O'Donnell, M. O'Donoghuc, Catherine J. O'Flynn, A. J. Quirke. Registered Druggist examination, M. D.

GOLF PRIZES: In group are winners at golf meeting uf Swansca and West Glamorgan Branch of the Pharmaccutical Society. Left to right: Messrs, G. G. Davies (Branch chairman), R. Tyler (captain, Swansea Bay club), C. R. Dickens, Mrs. R. Griffiths (club's lady captain), Mr, C. Mort (runner-up, Rolando cup) and Mrs, Perrott (ladies' competition winner).



O'Kane. The following have passed the second year college examination, B.Sc. (Pharm.) course:—Annie C. Brennan, D. Carroll, Mary B. F. Concannon, P. B. Deasy, Geraldine E. Good, Bridget F. Greene, M. J. Kennedy, J. J. McGorisk, T. A. McGuinn, P. M. Meagher, A. A. O'Shea, G. N. Oviasu, C. K. Shah. First year examination, Patricia A, Boland, M, Browne, J. J. Butler, C, J. Clarkin, J. J. Collins, Margaret M. Conneely, D. Corrigan, D. Cox, M. J. Durcan, F. D. Fortune, Philomena A. Gallagher, P. J. Hogan, J. J. Holly, T. Hutton-Mills, J. B. Loughman, P. J. McFadden, Mary Malone, M. J. O'Connell, M. T. O'Leary, Mary O'Malley, T. O'Malley, V. Pillai, Mary Scully, J. E. Tully, J. Valabhjee, Mary Walley, A. Williams.

#### IRISH BREVITIES

MR. John Holly, son of the late Mr. F. E. Holly, M.P.S.I., 85 North Main Street, Youghal, co. Cork, has been awarded the P. C. Cahill Memorial prize (value £52 10s.).

MR. A. F. Thornton, Enniscorthy, has been reglected President of the

MR. A. F. Thornton, Enniscorthy, has been re-elected *President* of the Irish Drug Association. Mr. H. W. Ferguson, Limerick, is *Vice-president*, and Mr. P. McAuliffe *Treasurer*.

THE cost of the health services in the Republic of Ireland increased from £16 millions in 1958-59 to £19 millions

in 1961-62. A report of the Committee of Public Accounts, issued on July 17, attributes the increase to the use of new and more expensive drugs.

new and more expensive drugs.

DISTRIBUTION of the anti-depressive drug Drazine has been discontinued in Ireland by the distributors, Smith & Nephew-Southalls (Ireland), Ltd., Blackrock, Dublin, following a similar move in Great Britain (see C. & D., July 27, p. 79).



GIFT TO OXFAM: A token gift of Complan made by Glavo Laboraturles, Ltd., Greenford, Middlesex, to Oxfam to help in the emergency feeding of those injured or made homeless by the Skopje earthquake, is here seen being loaded on to a van, A further 4,000 lb. of the food parcels is to follow so soon as distribution facilities are arranged.

# Retention Fee Increases

#### STATEMENT BY COUNCIL OF PHARMACEUTICAL SOCIETY

THE Council of the Pharmaceutical Society of Great Britain has given notice, as required under its by-laws, that it has approved a proposal to alter those by-laws so as to make the personal retention fee £9 instead of £5 5s. and the fee paid by members resident abroad £3 instead of £2 2s, as at present. The change will be made after expiry of the required period (sixty days) and the increases will take effect from January 1, 1964. No increase is proposed in the fee of £2 2s, paid by members aged seventy and over.

The statement goes on to explain that, in the report of the Council for 1962, members were warned that a substantial increase in the fee was imminent. The balance sheet and accounts then presented showed a deficit on general fund income and expenditure account of £44,601, following a deficit of £6,128 in 1961. Estimates for 1963 show that a substantial deficit may again be expected, despite the large contribution to

income arising from sales of the new edition of the British Pharmaceutical Codex. "The present position can be seen against the background of the past increases in the retention fee which were: From £1 11s. 6d. to £2 in 1947; from £2 to £3 13s. 6d. in 1954; and from £3 13s. 6d. to £5 5s. in 1959." Factors cited as responsible for the latest increase include the present level of costs and advertising revenue, expansion of activities, and future plans.
"The Society's expenditure under all heads has been affected by the continued inflation of prices, and by increases in salaries and wages. In addition, a new situation has arisen in connection with the finances of the Pharmaceutical Journal. For many years it has been possible to meet rising costs by increasing advertising rates, but a recent decline in periodical advertising generally, combined with the practice of refusing advertisements which are inconsistent with the Society's policies, has

reduced the income to a point where sizable deficits must be expected. If the *Journal* is to be maintained and developed, provision must be made for meeting increased cost from the fee income."

In the five years that have passed since the previous increase, says the statement, the work of the Society has continued to expand, an example being the creation of the Department of Pharmaceutical Sciences — a venture that "has proved its value in many ways in enhancing the Society's reputation as a body concerned with the advancement of pharmaceutical knowledge." Additional expenditure is visualised in de-veloping publicity for pharmacy and fostering closer relations between Council and branches and members. evident that, if the Society is to engage in the activities which the membership has shown it wishes it to undertake the Society's finances must be considerably strengthened.

#### NEWS IN BRIEF

THE General Post Office is asking firms to post letters early in the day, and non-urgent items early in the week, so as to avoid congestion at sorting offices in the evening and at weekends.

New Zcaland is adopting decimal coinage on July 14, 1967. The unit is the ten-shilling note enabling the existing notes and coins to continue in circulation at their new decimal equivalents.

A NEW pay agreement reached between Ilford, Ltd., Ilford, Essex, and the National Union of General and Municiple Workers, besides increasing the basic wage, will give annual rises for the next four years to employees.

A COURSE for stores personnel in industry and public undertakings has been arranged by the Purchasing Officers Association, York House, Westminster Bridge Road, London, S.E.1. It is being held at Nottingham University, September 2-5.

MEDICAL Officers at airports and seaports have been empowered from August 1 to require the production of a valid international certificate of vaccination against smallpox from any traveller arriving directly from Africa, Asia or America (other than the United States and Canada) or from any local infected area as notified by the World Health Organisation.

A STUDY of residues unintentionally added to food was called for on June 25 by the joint Food and Agriculture/ World Health Organisations conference on food additives, Rome. The study should include, it was urged, antibiotic or nutritional substances added to animal foods, and the leaching of chemicals from packaging materials.

THE Comparative Administration Trust is holding a four-week practical residential course on the administration and management of research and development at Queen's College, Oxford, September 1-28. Application forms may be obtained from the Trust at 30 St. George Street, Hanover Square, London, W.1.

THE Association of Certified and Corporate Accountants, in a memorandum to the committee that is inquiring into the practical effects of the introduction of a form of turnover tax, state that they consider the terms of reference of the committee are too narrow and that a general increase in productivity leading to reduced costs is required.

#### SPORT

Golf.—SWANSEA AND WEST GLAMORGAN BRANCH, PHARMACEUTICAL SOCIETY. The summer golf meeting was held at Swansea Bay golf elub on July 25. Results: "Rolando" silver challenge cup and replica, 1, R, C, Evans, 69 (6), 63; 2, C, Mort, 81 (16), 65. Open medal competition: division 1, 1, R, C, Evans, 69 (6), 63; 2, D. Biddiek, 73 (6), 67; division 2, 1, R, Slade, 75 (12), 63; 2, L, Part, 83 (16), 67; division 3, 1, C. Bailey, 85 (18), 67; 2, G, Williams, 87 (18), 69. Open bogey, R, Slade, 3 up, Lowest net score by Swansea Bay member, C, Bailey, 67. Best gross score (open), J, Kern, 73. Best gross score by a pharmacist, W, Nicholas, 80, Best net score by a representative, G, George, 87 (17), 70. Clenyg Jones silver trophy (best score against bogey), C, Mort, 2 up. The meeting and a social raised £46 for pharmaceutical charities.

#### TOPICAL REFLECTIONS

By Xrayser

#### Part supply

The account (p. 101) of the proceedings in Carlisle in connection with a technical breach of the terms of service of the National Health Service is of great interest to all pharmacists. According to the report, a test prescription presented to a pharmacist called for tablets of a branded speciality. The pharmacist had twenty-four such tablets in stock and supplied them, at the same time intimating that he was short of the prescribed quantity, but giving the assurance that he would deliver the remainder. The situation occurs daily in most pharmacies in the country and is usually accepted with good grace by the customer. On the occasion reported, the prescription was not presented by an ordinary customer but was, in fact, a test prescription. The action of the chemist was duly reported to the Carlisle Executive Council, and the circumstances were considered by its pharmaceutical services committee. That body accepted without reservation the statement of the chemist that he was acting in the best interest of the patient by supplying part of the order immediately, but it took the view that the part supply was a technical breach of the terms of service and of clause 7 of Part II of the Drug Tariff, and that view was endorsed by the Executive Council-wrongly, in my opinion. The section stipulates that "the exact quantity ordered by the prescriber must as a general rule be supplied and payment will be calculated accordingly." The chemist appealed against the decision of the Executive Council in holding him in breach of his terms of service, and the Minister of Health, in his reply, said that he was satisfied that the chemist had acted reasonably. The Executive Council, for its part, decided to draw the attention of the Minister to the difficulties that arise when a prescription cannot be fully dispensed owing to shortage of stock.

#### The decision

There is nothing in the report to suggest that the matter was, with the consent of the "offender" brought to the Minister's notice for the purpose of having the position regularised in the case of part supply. But what emerges seems to be official recognition of the difficulty, and it must be expected that the decision establishes a precedent. It is virtually impossible to keep pace with medical demand, particularly since the changed prescribing habits consequent upon the increased prescription levy. Even with small quantities the problem frequently arises owing to the prescriber's ignorance of the various packs. The occasions on which shortages arise are numerous, and every pharmacist in the country undergoes the experience frequently, despite the utmost care and foresight in ordering supplies and keeping stock. It did occur to me, on reading the report—and here I think is where the decision was wrong—that the stipulation quoted from the Drug Tariff might reasonably be held to provide for emergencies such as the Carlisle one. The wording is: "the exact quantity must as a general rule be supplied." It could, I think, fairly be argued that the words italicised are a provision for just such an emergency as arose in the case under review. Read in that sense—and that seems to be a reasonable interpretation of the phrase "as a general rule"—I wonder if there was any need for the case to have gone as far as it did.

#### Fifty years

In your notice of the Golden Jubilee of the Wellcome Laboratories of Tropical Medicine (p. 109) you make reference to Andrew Balfour and his work in that field. Balfour was a man with a wide range of interests to which he gave himself unsparingly, to the detriment of his own health. In his earlier days he was a Scottish Rugby international forward, a boxer and, by way of variety, an amateur actor. To a wide public he was known as the author of several excellent novels of adventure. To Arms, Vengeance is Mine, and By Stroke of Sword were all popular stories. Yet his professional life was a full one, and he wrote extensively on medical subjects. Probably his best book was The Golden Kingdom, based on personal knowledge of sleeping sickness.

#### LEGAL REPORTS

#### Interim Injunction

In the Chancery Division, London, on July 31, Mr. Justice Ungoed-Thomas granted Johnson & Johnson (Great Britain), Ltd., Slough, Bucks, an interim order restraining Mr. Norman John Clark, trading as Spendright Supermarket and Instant Trading Discount, Homend, Ledbury, Herefords, from selling J. & J. products below list prices. It was stated that Mr. Clark had been selling the plaintiff's products, particularly Johnson's baby powder, at cut prices, Mr. Clark did not contest the application.

#### Altered Prescription for Heroin

AT Glasgow sheriff court, on August 2, Alexander Milne Brown, Kinellar Drive, Glasgow, pleaded guilty to a charge of attempting to obtain drugs otherwise than in accordance with the Dangerous Drugs Regulations. Brown admitted that, on June 20, at the Union Street, Glasgow, branch of Boots, Ltd., he presented a private prescription for the supply of heroin hydrochloride. The pharmacist became suspicious when he noticed that the date had been altered, and informed the police. The fiscal said that Brown had been attending a psychiatrist in London, who had

been posting prescriptions for heroin to him in Glasgow. When he received a letter and the prescription form he had altered the date on which it was to be dispensed. Brown was placed on probation for three years. A condition of the probation was that he should be an in-patient at Woodielee mental hospital for a period.

#### **BUSINESS CHANGES**

MARLOW PHARMACY, LTD., have opened a pharmacy at 61 High Street, Marlow, Bucks.

MR. F. FOWLER, F.P.S., has acquired the pharmacies of Mr. J. W. Waterworth, M.P.S., at 224 Bebington Road, Rock Ferry, and 4 Broadway, Higher Bebington, Ches, and will trade as Waterworth (Chemists), Ltd. Mr. Waterworth retired on June 30.

#### **Appointments**

JOHNSONS OF HENDON, LTD., have appointed Mr. R. Francis representative for that area of London and the Home Counties, formerly covered by Mr. J. Payne (see also p. 125).

ERNEST JACKSON & CO., LTD., Crediton, Devon, have appointed the following area representatives:—Messrs. P. H. Dawson (for the South-west territory); B. K. Long (South and Mid

#### IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

ABOUT 150 different radioactive isotopes are available in some 1,300 different physical and chemical forms from the Atomic Energy Authority's Radiochemical Centre at Amersham, said MR. DENZIL FREETH (Parliamentary Secretary, Science) when MR. T. H. SKEET asked about radioisotopes on July 30. The Parliamentary Secretary also said that the total annual Government expenditure on isotope research was about £1 million.

#### **European Patent Convention**

MR. F. J. ERROLI (President, Board of Trade) told MR. L. H. CLEAVER on July 25 that the Government had indicated to the European Economic Commission and to the Governments of the Six that, if as seemed likely, the final form of the draft European Patent Convention was one to which the United Kingdom could subscribe it would wish to become a contracting country. The draft convention proposes a European patent system, accepted by all member States, but capable of existing alongside national systems (see C. & D., November 24, p. 575).

#### Drug Peddling

SIR BARNETT JANNER asked the Home Secretary if he was aware that a teenage boy and girl had been found unconscious on a bus after having taken Drinamyl tablets; what information he had about drug peddling in North I ondon; and whether the Metropolitan police had been able to track down the source of supply. MISS MERVIN PIKI (Joint Under-Secretary of State), in a written reply on August I, stated that the Home Secretary was aware of the incident, and was gravely concerned about the abuse of Drinamyl and other

similar drugs. He had no reason to think that the situation in North London differed from that in other parts of the Metropolitan area. The drugs taken by the boy and girl in question had been obtained from casual acquaintances whom it had not been possible to identify.

#### "Morning Glory"

DR. D. JOHNSON asked the Home Secretary on August 1 if he was aware that the plant morning glory (*Ipomea purpurea*), growing in Great Britain, possessed as a property of its seeds a mental poison that was a potential drug of addiction, and whether he would make an investigation with a view to taking steps to prevent the use of the drug.

MR. H. BROOKE (Home Secretary), in a written answer on August I, said he was aware that reports had appeared in the Press that seeds of morning glory grown in N. America had been found to contain a hallucinogenic drug. There was no evidence that seeds of the plant sold in the United Kingdom contained the drug, but he was making inquiries.

#### Salk Vaccine Gift

A Treasury minute dated July 19 states that the Minister of Health (Mr. Enoch Powell) proposes to give to certain overseas countries and territories approximately 500 litres of Salk polionyelitis vaccine, valued at about £58,000. The vaccine has been almost completely superseded by Sabin oral vaccine in Great Britain, and the surplus Salk vaccine is unlikely to be used before its shelf life expires.

Parliament adjourned on August 2 until October 24.

Wales) and J. W. N. Smith (Lancashire, North Wales and Isle of Man).

GLAXO LABORATORIES, LTD., have appointed Mr. W. B. Emery assistant to Dr. F. J. Wilkins (chairman and managing director). Dr. Wilkins is making a special study of Glaxo group production activities with a view to closer co-ordination and integration within the U.K. group of companies. Mr. Emery is succeeded as factory manager, Ulverston, by Mr. D. J. Farrant. Following the appointment of Mr. A. R. Lockwood to the board of Glaxo Laboratories, Ltd., Mr. H. W. Gurney has been appointed factory manager at the company's antibiotics factory, Barnard Castle, with Dr. Alan Raper as deputy factory manager.

#### COMPANY NEWS

Previous year's figures in parentheses

PHILIP HARRIS, LTD.—Final dividend 1s. 6d., making 2s. per £1 share for year to March 31 (same). Group net profit, £38,730 (£38,340) after tax of £51,915 (£40,288), etc.

F. W. HAMPSHIRE & CO., LTD.— Interim dividend is raised from  $7\frac{1}{2}$  per cent. to  $12\frac{1}{2}$  per cent., but shareholders are reminded of the board's stated intention to reduce the disparity between interim and final payments.

THE BRITISH DRUG HOUSES, LTD.—The company have offered to acquire the whole issued share capital of Middleton & Co., Middlesbrough, comprising 58,576 shares at a price of 92.6d. a share. The Middleton board intend to recommend acceptance and to accept an offer in respect of their own holdings.

R. SUMNER & CO., LTD. — The company have acquired the whole of the share capital of Clay & Abraham (Manufacturing), Ltd., 2 Upper Duke Street, Liverpool. It is intended to maintain the separate entity of both companies, Mr. John Rae (managing director, Clay & Abraham (Manufacturing), Ltd.), has retired, and the board of that company has been reconstituted.

LONDON RUBBER CO., LTD. — Contracts have been exchanged for the purchase of the whole of the issued capitals of Julius Schmid Inc., New York and Julius Schmid (Canada) Ltd., Toronto. Total consideration is \$11 millions, consisting of \$8,800,000 in cash, plus Ordinary shares of London Rubber Co., Ltd., to the value of \$2,200,000.

COCKBURN & CO., LTD.—Loss for year to March 31, £2,361 (profit £12,001) before tax of £62 (£6,517). Preference dividend £3,011 (same). Ordinary. 5 per cent. on capital increased by scrip issue; forward, £7,528 (£15,718). Sale of wholesale interests during the year resulted in a capital gain of £38,000. Capital released will be used to improve and increase retail interests, which, along with manufacturing, shipping and factory supplies, should show a much improved profit next year and a steady rise in earnings in future years, says chairman.

SANITAS TRUST, LTD.—Addressing shareholders at the annual general meeting recently the chairman (Mr. Charles Sweeny) said that, in the first

quarter of 1963, overall sales had shown a reasonable increase over the comparable period for 1962. The increases arose mainly from the businesses that had been acquired over the previous three years. The board was still looking for suitable new businesses for the group so that they could employ the cash resources more profitably. Those resources — at approximately £750,000—were still substantial.

BEECHAM GROUP, LTD.-In his address to shareholders at the annual meeting on July 31 the chairman (Mr. H. G. Lazell), said that 1962-63 should have been a very good year had it not been for the fall of £800,000 in the profit of the food and drink division. The fall was largely due to the imposition of a purchase tax and was a grim reminder of the influence which the Government could now exert on business. The group's interests were widely spread, however, and there were opportunities in other sections of the business which more than off-set the present difficulties in that division. Total sales for the first three months of this year were 2½ per cent, ahead of those for the same period last year. There was no reason to believe that that rate of gain would not increase as the year proceeded. He reported good progress with their penicillins, particularly in overseas markets. Beecham brands of the compounds were exported to fiftytwo countries. Overseas sales doubled in 1962-63 and the rate of increase had been maintained during the first three months of the current year. Sales by manufacturing licensees in the United States, Germany, Italy, Japan, Brazil and Scandinavia had increased by more than 50 per cent. over 1961-62. "We are now shipping large quantities of compounds, in bulk, from our Worthing factory for local packaging in France, Japan, Canada and Australia.'

#### Voluntary Liquidations

E.C.M. LABORATORIES (LONDON), LTD., 76 New Bond Street, London, W.I. Liquidator: Parkin S. Booth & Co., 14 Holborn Viaduct,

GREATRIM, LTD., pharmacists, [R.O.] 93 Queen Street, Cardiff, Liquidators; Mr. D. O'Shea, 29 Gelliwastad Road, Pontypridd, Glam, and Mr. S. Chater, 35 Windsor Place, Cardiff, EDWARD LLOYD (COLWYN BAY), LTD.,

retail elemists, [R.O.] 129 Abergele Road, Colwyn Bay, Liquidator: C, A, Huntington, 41 North John Street, Liverpool, 2.

WINSYL PHARMACY, LTD. (R.O.): 106 London Road, Liverpool, 3, Liquidator; R. P. Booth, 5 Rumford Place, Liverpool, 3.

#### NEW COMPANIES

P.C. = Private Company, R.O. = Registered Office

M. BERG (CHEMISTS), LTD. (P.C.).—Capital £100, Subscribers: Shirley Hart and Averill Hart. R.O.: 8 Barking Road, London, E.16.

BRISTOL PHARMACEUTICAL COMPANY, LTD. (P.C.).—Capital £20,000. To carry on the business of manufacturers of and dealers in pharmaceuticals, etc. Subscribers: Grace Me-Avoy and Dorcen Tisman, R.O.: 48 Albemarle Street, London, W.1.

CHEMIMANS, LTD, (P.C.).—Capital £100, To carry on the business of chemists, etc. Subscribers: Jean Herbert and Thomas A. Herbert,

156 Strand, London, W.C.2. HARLEY LABORATORIES, LTD, (P.C.).— Capital £500. To carry on the business of manufacturers of toilette requisites, etc., Directors: Leslie T. Salts, Winifred Salts and Nigel T. Salts, R.O.: 265 Martins Bank Buildings, Water Street, Liverpool,

#### PERSONALITIES

MR. F. H. K. GREEN, C.B.E., M.D., F.R.C.P., is retiring on August 31 after eight years as scientific secretary of the Wellcome Trust. From that date Dr. P. O. WILLIAMS, M.B., M.R.C.P. (deputy scientific secretary) will act in that capacity.

MR. J. D. PAYNE, who was a technical representative with Johnsons of Hendon, Ltd., for more than fourteen years, retired at the end of June. Mr. Payne, who is seventy-two, has spent fifty years in the photographic trade.

MR. M. A. SHEIKH has been reelected President of the Pakistan Phar-

maceutical Importers' Association, Karachi. Mr. Sheikh is managing director of Fazal Din & Sons, Din chemists Ltd.. druggists, and 53 The Mall, Lahore: and of Lahore Chemi-cal and Pharmaceutical Works, Ltd., Ichhar, near Lahore.



MR. G. HALDANE, sales promotion and advertising manager of Cussons Sons & Co., Ltd., Manchester, was fishing with his two children in the river Dart near the centre of Totnes, Devon, recently, at the start of a holiday, when he saw a small boy in difficulties in the water. "I cannot really swim at all in the accepted sense of the word," says Mr. Haldane, "but nobody seemed to be doing anything and I realised that something would have to be done quickly." Sending his children off for help, he jumped and managed to get the boy, who was floating just below the surface, to the quay wall. There he applied artificial respiration over his knee until a rope could be lowered to get them both out of the water. The boy recovered in hospital.

Mr. Haldane himself needed hospital treatment for injuries to both feet.

#### MARRIAGES

ABERNETHY — BOYD. — At St. Thomas's Parish Church, Belfast, Northern Ireland, on July 19, Dr. Robert Desmond Abernethy, M.P.S.N.I., Holywood Road, Belfast, to Dr. Elizabeth Clare Boyd, Maryville Park, Belfast.

#### DEATHS

BALFOUR. — Recently, Mr. James Ewen Balfour, M.P.S.. 3 Airyhall Drive, Aberdeen. Mr. Balfour, who qualified in 1922, spent most of his life at Cullen, Banffshire, where he carried on business from 1928 until he retired to Aberdeen two years ago.

BEATTIE.—On July 29, Mr. George Allan Beattie, Mineola, 1 Bayview Crescent, Banff, Mr. Beattie qualified in 1925.

BISHOP.—On July 17. Mr. Thomas Bishop, M.P.S., 14 High Street, Thames Ditton, Surrey. Mr. Bishop qualified in

DENTON.—On July 13, Mr. Norwood Denton, M.P.S., pharmaceutical chemist, Beechcroft, Well, nr. Bedale, Yorks. Mr. Denton qualified in 1900.

DIXON. — Recently, Mr. Frederick Arthur Dixon, M.P.S., 21 High Street, East Dereham, Norfolk. Mr. Dixon qualified in 1930. Besides being one of the town's leading businessmen, he was a prominent member of the Dereham Archæological Society. He moved from the North Country to Dereham about six years ago. A man of unusual and to most people, hidden talents, he was an acknowledged authority on antiques and had a remarkable personal collection of furniture and paintings. He was also an historian and archivist and his other interests ranged from woodwork and metalwork to photography. He had also lectured extensively on the history of cosmetics.

DUCKETT.—On July 14, Mr. Owen Bertram Duckett, M.P.S., 23 Meyrick Avenue, Luton, Beds. Mr. Duckett qualified in 1910.

TARDLEY.—On June 24, Mr. Alfred Eardley, M.P.S., 55 Crewe Road, Alsager, Stoke-on-Trent, Staffs. Mr. Eardley qualified in 1937.

HUSTON.—Recently, Mr. John A. Huston, the Irish-born founder and chairman of John A. Huston, Ltd., 36 Caledonia Road, Toronto, Canada, manufacturers' agents. He was seventysix. Born in Athlone, Mr. Huston went to the United States sixty years ago, and ten years later he started his own business. His company held the Canadian agency for a number of British manufacturers. He was a past-president of the Canadian Pharmaceutical Manufacturers' Association.

REES.—On July 23. Mr. Leon Rees, founder and chairman of L. Rees & Co., Ltd., 31-5 Wilson Street, London. E.C.2. Mr. Rees was in his eightyfourth year.

SHILL.—Recently, Mr. John Calvert Shill, M.P.S., 8 Beaumont Grove, Solihull, Warwicks. Mr. Shill was a territorial general manager for Boots Cash Chemists (Western), Ltd., and president of the Birmingham Chamber of Trade. He qualified in 1932 and progressed through a series of managerial appointments to become territorial manager at Derby in the 1950's. He took up his post in Solihull in 1959.

STEVENS.—On July 22, Miss Elizabeth Turner Stevens, 6 March Road. Blackhall, Edinburgh, 4. Miss Stevens qualified as a chemist and druggist in 1911 and retired in 1958.

STEWARD.—On July 18. Mr. Frederic King Steward, M.P.S., 32 Conduit Lane, Bridgnorth. Mr. Steward, who qualified in 1913, was in business at 42 High Street, Bridgnorth, Salop, for many years until his retirement two years ago. The business, which was years ago. The business, which was established by his grandfather about 1850, is now carried on under the title of Steward (Bridgnorth), Ltd., controlled by his youngest son, Mr. F. C. N. Steward, M.P.S.

Henry Leslie Whitfield, M.P.S., 5 Findon Hill, Sacriston, co. Durham, Mr. Whitfield qualified in 1922.

# Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not bold bimself responsible for the views expressed.

Credit, Faith, Support

SIR,—In answer to Mr. J. S. Clarke and in support of Mr. T. A. Stockhill regarding support to the Glaxo Group. Glaxo Laboratories have not offered me any credit whatsoever for their discontinued Predsol and Efcortelan products, etc. I also cannot fail to notice the large open displays of Ostermilk and Farex set out on the front bay of the large Co-operative self-service store (grocery) situated next door to me. If Glaxo is your ray of sunshine, Mr. Clarke, I do hope I haven't dampened, nay, drowned, your faith in our "manufacturing friends."

K. MOORE, Sheffield, 3

**Proprietaries and Standard Drugs** 

SIR,—The Minister of Health is continually urging doctors to prescribe standard preparations as against proprietaries, notwithstanding that he cannot know what is best for any particular patient. The practitioner is the only one who is capable of making that decision, and to my mind it is quite wrong for Whitehall to try and influence him. Should the sale of proprietaries decline, the manufacturers may have to increase their prices, to the disadvantage of those most worthy and independent people who prefer to pay for medical attention and for their medicaments,

HUGH LATTIMER,

Ewell, Epsom

#### Use of Spare Time

SIR,—From the depths of his deck chair on August bank holiday, Xrayser ought to remember John Lubbock, the first Baron Avebury, English banker, politician and naturalist who carried the Bank Holidays Act, 1871, The leisure hours he gave to bank clerks and others were coupled with his attempts to improve the use made of spare time, by his popular series on natural history. Unfortunately, these books lack modern appeal and the bored queues of people sitting in motor cars who, divorced from their television sets, have nothing to do but sleep or stare vacantly, bear witness to his lack of success. W. H. BOORMAN, Whitehurch, Hants

#### An Oversight

SIR,—Under the new regulations I understand the Pricing Office will make checks to determine whether a chemist should purchase larger sizes of proprietary preparations for his N.H.S. dispensing. This is surely a service that all contractors will welcome, as I am fairly sure that an inspection of dispensary stocks of any pharmacy would disclose the numerous "left-overs" which those in charge, with their detailed knowledge of local trends in dispensing had thought perfectly safe to risk buying as larger dispensing packs only to find that the demand for the particular preparation ceased. It is a relief to know that this is now a thing of the past and that the size of the pack we

are going to be instructed to stock will be taken care of by some omniscient power at the pricing bureau. In the event of there being stocks of "ethical" proprietaries being left on our shelves I am perfectly sure that it is only an oversight that there is no mention of a credit note for these being issued by the pricing bureau.

R. C. FREEMAN, Director, A. J. FREEMAN, LTD., Newbury, Berks

#### A "Tremendous" Response

SIR,—The response to our previous letter (C. & D., July 6, p. 12), asking pharmacists to write to us if they wish to help in furthering our aims, has proved tremendous. Unfortunately the task of replying has proved equally so, and consequently many of those who wrote have not yet received a reply. We apologise for this delay, and assure all who wrote that the task of sifting their ideas is not being neglected, and that they will hear from us soon. Should any reader have missed the previous letter, our aims are restriction of all medicines to pharmaceutical outlets and the negotiation of a new contract for National Health Service dispensing that shows a remuneration and terms of service acceptable to the profession of pharmacy. Those aims we propose to achieve by all (legal) means in our power, and ask all who wish to help to send me their names (with, please, an addressed envelope to ease our task) together with any ideas they may have on ways we can adopt, or conditions that should be incorporated in the new contract. S. G. ASTBURY, Stoke-on-Trent

#### A Company's Veterinary Policy

SIR,—The recent statement of policy by Evans Medical, Ltd., while superficially restrictive, will not be resented by thoughtful members of the pharmaeeutical and veterinary professions who have the common bond of comparable qualifications, interest scientific husbandry and the ethical concept that medicines, human or veterinary, should never be considered as mere articles of commerce. In the writer's opinion it is the neglect of responsibility by a few veterinarians entrusted to them by the Antibiotics Act and the evasion of the provisions of that act by a few pharmacists that have vitiated the cordial relationship which should exist between our sister professions at local level. On the other hand it is gratifying to see co-operation of our governing bodies at higher level on Veterinary Pharmaceutical Committee and in the production of the British Veterinary Codex. The wasteful and harmful misuse of veterinary medicines derives from two factors: the reluctance or downright refusal of some farmers to consult a veterinarian, and the sale or even donation of veterinary medicines by unqualified feedingstuffs or machinery salesmen as a lever for other business. The Government atti-

tude to our problem is ambivalent in the extreme. It encourages laissez-faire competition of the most ruthless type on the one hand and calls for safeguards in the distribution of potent substances on the other. Legislative measures to control the distribution of medicinal substances are inevitably too few and too late, so let veterinarians and pharmacists of goodwill welcome this "restrictive practice" of Messrs. Evans and other members of the Glaxo group as a step to exclude waste, mis-use and public danger occasioned by irresponsible selling by those outside the control of our restrictive profes-sional bodies. Naturally Messrs, Evans Medical cannot live on ethics alone, so let us consider the potential outlets for their products. They number un-limited unqualified dealers, whom they have refused to supply, two thousand veterinary practices and not more than one hundred retail pharmacists. Pharmacy is in grave danger of losing its legitimate share in this specialised mar-ket through sheer lack of distribution facilities. For the same reason pharmacy lost control of distribution of most poisons in 1908, when listed sellers were appointed by act of Parliament. point was made at the Branch Representatives' veterinary meeting in February 1961, when I suggested the com-pilation of a list of pharmacists willing to offer a veterinary distribution service. Such a list would be of a tentative nature, involving the Pharmaceutical Society's Council in little clerical work and less legal commitment. Now, two-and-a-half years later, we are still awaiting publication of the list, while the veterinarians are being driven to commercialism not against our memhers but to consolidate their position against illegal sellers and the vendors of quack remedies over which the Society has no control. Our Council should give cogent reasons why that list has not been compiled. If it is not done, legitimate veterinary supply, together with rural dispensing, will be lost to pharmacy, and country districts will lose an essential service by cir-cumstances that could be avoided by KEITH JENKINS, timely action. Bovingdon, Herts

Str,—Thank you for publishing my letter of July 15 and Mr. Kinnear's reply. My interpretation of Messrs. Evan's statement was that, in future, all products on the barred list were only to be supplied to farmers by veterinary surgeons, or on their prescription, and pharmacists giving an undertaking to observe the latter condition would continue to receive supplies. Perhaps Mr. Kinnear would confirm that view, or state whether it will be necessary for the pharmacist to send a prescription for every item ordered. If either of these is correct I stand by my former statement. It was pharmacists, not members of the veterinary profession, who originally undertook the distribution of lamb-dysentery serum and succceding biologicals, and who may take credit for the manner in which it was carried out. A special meeting of pharmacists' veterinary committee should be convened to discuss this question

of distribution. To my knowledge it has been looming in the background for fifteen years. Meanwhile at least one house of the highest ethical standards recognises pharmacy as a suitable medium for the distribution of its veterinary products. GEO. HALL, Lanark

#### **EXAMINATION RESULTS**

#### Successful Part III candidates in England and Wales

IN the Pharmaceutical Chemist Qualifying examination (Part III) held in England and Wales during July, the following candidates satisfied the examiners in the subjects indicated (a=pharmaceuties 11; b=pharmaceutics 111; c=pharmacology; d=pharmaceutical chemistry III).

BIRMINGHAM Barshy, N. J. W., Birmingham (a, b, c, d) BINTLEY, Janet, Birmingham (b, c, d) Brown, M. J., Wolverhampion

(a, b, c, d) Bruton, A, H., Dudley (a) COPE, L. J., West Bromwich

(a, b, c, d) (ox, W, W, Walsall (a, b, c, d) DAYUS, G, J., Sutton Coldfield (a, b, c, d)
Diffor, Wendy E., Solihull

(a, b, c, d) (a, b, c, d)
Fry, I, H., Kings Langley (c)
Gray, R., M., Birmingham
(a, b, c, d)
Harper, Jeancite Y., Birmingham

(a, b, c, d) HICKINBOITOM, D. M., Birming-

ham (a, b, c, d) Iaworowski, M., Wolverhampton

LIAH, J. H. R., Worksop (a) LIOYD, Mary P., Tipton (a, c, d) MOYLL, L. E., King's Lynn (a) PHILLIPS, Tennifer M., Solibull

(a, b, c, d) REFS, R, J., Shrewsbury (a, b, d) SANDLIS, A. W., Bromsgrove

(a, b, d) SLABOURNY, F. T. D., Broms-grove (a, b, c, d) FINNINT, J. E., Stohrbridge (b, c, d) WELSBY, A. S., Sandbach

(a, b, c, d)

BRADFORD

BIVERIEY, J. K., Castleton (a, b, c, d) CAPLAN, C. P., I ccds (a, b, c, d) CLAYMAN, D., Leeds (a, b, c, d)

DUCE, J. A., Sheffield (a, b, c, d) EDWARDS, J. A., Skipton

(a, b, c, d) ELLMAN, G, D., Mänchester (a, b, c, d) Finibing, L. D., Leeds (b, d)

FISHER, S. J., Ripon (a, b, d)
FILTCHER, A, M, R., Halifax
(a, b, c, d)
FRIEDMAN, S. D., Blackpool (c, d) FREETH, Siella E., Brighouse

(b, c, d) GLEDHILL, K. A., Huddersfield (b, c, d) Greenwood, Gillian M., Bradford

(b, c, d) KNOWLES, Patricia, Dewsbury

(a, b, c, d) LUNN, Margaret, Hudderslield

(a, c, d) Marshait, A. F., Halifax (a, b, d) Marshait, Jenniler, Cottingham (a, b, c, d)

MINDFLSOHN, M. B., Leeds (b, c, d) Morgan, Elizabeth A., Huddersfield

(a, b, c, d)

MYERS, K. G., Harrogate (a, b, c, d) RAISTRICK, Shirley, Keighley

(a, b, c, d) Rigg, S., Dewsbury (a, b, c, d) RUBERANTWARI, J., Trafalgar Square

(a, b, c, d)

Sif, P. K., Earls Court (a, b, c, d) SHESTONE, D. F., Leeds (b, c, d) SUSS, M. S., Manchester (a, b, c, d) THOMPSON, A., Leeds (a, b, c, d) TOMLINSON, H. D., Morecambe (a, b, c, d) TINNARO, L. J., Chesterfield (a, c, d) UTTIFY, Diana, Sowerby Bridge (b, c)

WIENHOLT, B., Cheadle (a, b, c, d) WOODWARD, Christine, Bradford (a, b, c)

Brabner, D. J., Taunton (a, b, c, d) BROOKES, A., Bristol (a, b, c, d) Dixon, R. G., Bristol (b, c, d) FARRIS, Susan A., Stevenage (a, b, c, d)

GROVES, Sylvia H., Highelille (a, b, c, d)

GITTICK, Tessa, Fowey (a, b, c, d) Hick, H. F. E., Dudley (a, b, c, d) HOLMES, Barbara A., Stoke-on-Trent (a, b, c, d)

JONES, Pamela, Bristol (a, b, c, d) LIEWELYN, Gwyn, Axminster (a, c) Marstand, K. J., Brisiol (a, b, c, d)

MORRISH, K., Exctor (a, b, c, d) PINDIFBURY, Anthea H., Warrington (b, c, d) Rom RTS, Elizabeth F, E., Shepton

Mallett (a, b, c, d) SWIFT, E, N., New Malden

(a, b, c, d) WINTLE, Sara P., Bristol (a, b, c, d)

CARDIFF

BOWEN, Pat, Swansea (a, b, d) DYCHE, W. P., Swansca (b, e, d) HAYMAN, Elizabeth A., Cross Keys (a. b)

HOPKINS, A. T., Abergavenny (a, b, c, d)
Jones, H. M., Neath (b, c, d)
Morgan, D. R., Cardilf (a, b, d)

SHILLEY, P., Wyton (a, b, c, d) WILLIAMS, D. C., Swansca (a, b, c, d)

WILLIAMS, Dorothy A., Cardiff (a, b, c, d) ZtMNA, Elizabeth E. T. H., Chiswick (a, b, c, d)

**LEICESTER** 

AKONI, O. A., Leicester (b) ASHBY, R., Hinckley (a, b, c, d) BALOO, P. R., Leicester (c, d) BLAND, M. T., Oakham (a, b, c, d) BROOKS, D. J., Hinckley (a, b, c, d) CHAMBERS, Anne J., Leicester (a, b, d) DIAR, E, N., Stotfold (c) Firiss, Judith A., Sheffield

(a, b, c, d) FAUX, D. E., Skegness (a, b, c, d) GARDNER, Helen, Chester (a, b, c, d) HULLEY, I. C., Great Yarmouth,

(b, c, d) Kidman, A. II., Bromham (c, d) LANCASTER, D. J., Luion (a, b, d) MAMDANI, S. R., Leicester (a, b, c, d) MIANWELL, D., Lincoln (d)

PRIOR, Margaret E., Kendal (a, b, c, d)
SANDERS, Christine, Leamington

Spa (a, b, c, d) SMITH, Dorothy A., Workington

(a, b, c, d)

SPENCER, R, A., Sheffield (a, c, d)

STANLEY, G, G., Maidstone (b, c, d)

THACKRAY, J, C, A., Leicester

(c, d) VIALS, 1, J., Leicester (a, d) WHITE, Christine B., Leicester

(a, c, d) WHITTAKIR, E., Blackburn (a, b, c, d) WILSON, M. H., Leicester

(a, b, c, d) Wragg, Barbara, Newark (a, b, c, d) YLOMANS, Ann K., Leicester

(a, b, c, d) YLUNG, J. P. T., Leicester (b, c, d)

LIVERPOOL

BIRCHALL, F, R. H., Liverpool (a, c, d)

BUCKLEY, P. A. C., Warrington (h, c, d) COTTER, J. D. H., Liverpool (b, c, d)

CRAWFORD, I. E., Liverpool (b, e, d) GALLARD, M. R., Hoylake (d) GLASSMAN, B. M., Liverpool (b, c, d)

HARGREAVIS, J. R., Westhoughton

(b, c, d)
HARRISON, Rhoda, Chorley
(a, b, c, d)
LEAHY, J. N., Liverpool (d)
LIE, Pauline E., Liverpool (b, c, d)
MARRIOTT, P. F., Liverpool (b, c, d) POOLE, D. I., Birkenhead (b. d) PREBBLE, J. H., Liverpool (b, c, d) WILKINSON, J. L., Preston

(a, b, c, d) Wright, D. V., Liverpool (b, d) YEARSLEY, Ann M., Heswall (b, c, d)

PLYMOUTH

FISHWICK, Andrea F., Plymouth (a, b, c, d) FOWERAKER, M. A., Plymouth (a, b, c, d)

LAMEY, Rosemary E., Appledore (a, b, c, d) NURBHAI, Z, N, M., Plymouth (a, b, c, d)

PORTSMOUTH

AKINDEINDI, S. A., Paddington (a) BALCOMBE, P. L., Snarcsbrook (a, b, c, d)
DANBY, Gillian W., Shanklin (a)

DYE, R. H. L., Norwich (a, b, c, d) ELGIF, R. W., Gosport (a, c, d) FLEMING, A. D., Storrington (a, b, c, d)

KEELING, J. F., New Malden PARTRIDGE, Dorcen E., Southsea

(a, b, c, d)

WEDOLE, G. A. P., Amesbury (a, b, c, d)

SUNDERLAND

AOEBOYEKU, U., Brixton (b, c, d) ANAND, S, B, S., Sunderland (a, b, c, d)

BAROGETT, Eileen, Carlisle (a, b, c, d)

BARLOW, Anita C., Sutton Coldfield (a, b, c, d)

BAYLIFFE, Patricia A., Oldham

(a. b, c, d)
BETTERIDGE, Pauline, Newcastle-onlyne (a, b, c, d)

BOND, Jennifer A., Sutton Cold-

field (a, b, c, d)
BOOTH, J. I., Hull (a, c, d)
BRADFORD, Barbara A., Southgate
(a, b, c, d)

BUTCHER, I. D., West Kirby (c, d) CHAPPLE, E. P., Newcastle-on-Tyne

(b, d) CLARKE, C. A., Blyth (c) CUNOALL, Pauline A., Middles-

brough (a, b, c, d) DADVAR, J., Dundee (c, d) DORWARD, Patricia A., Sunderland,

(b, c, d) Differen, Ellanor A., Salford

(b, c, d)

GIBSON, J. K., Mansfield (a, b, d) JOHNSON, Elizabeth, Newcastle-on-

Tyne (a, b, c, d)

LOHNSON, K., Sunderland (a, b, c, d) KINGSTON, Margaret E., Saltburn (a, b, c, d)

LEAFE, Susan M., Hull (a, b, c, d) LIGHTFOOT, Margaret M., Durham City (d)

City (d)
Marinan, G. F., Durham (c, d)
Marshall, Dorothy M., Saltburnby-the-Sca (a, b, c, d)
Moore, D. G., Sunderland (b, c, d)
MOUNTFORO, L., Stoke-on-Treni
(a, b, c, d)
ONAMADE, K. A., Lewisham (b, c, d)

PATEL, B. C., Sunderland (a, b) PATEL, T. P., Sunderland (c, d) ROOKOFF, H. L., Stoke Newington

(a, b, c, d) Ross, J. E., Sunderland (a, b, c, d) Sanoers, L., Newbiggin-by-Sea (a, b, c, d)

Shimmin, Barbara W., Whitley Bay (a, b, c, d)

Soni, R, K., Glasgow (a, c, d)

Staton, J. A., Chesterfield

(a, b, c, d) TRIVEDI, N. S. S., Sunderland

(c, d) WATSON, J. T., Sheffield (a, b, c, d) Watson, R., Newcastle (a, b, c, d) Wilson, Maureen, Whitley Bay

(a, b, c, d) YATES, Catherine M., Sunderland (a, b, c, d)

SALESMANSHIP POINTS By Gladys Burlton

#### MOVING "SLOW" STOCKS

Anyone can sell goods that sell themselves. The real salesman does not ignore stock that is hanging fire. He gives it a chance. Even the most unpopular things appeal to certain customers. So keep your slow-moving stock in mind and introduce it judiciously. To be left with the fag-end of a dozen articles, or be compelled to reduce their price in order to dispose of them, may mean the loss of the whole profit on the line. You can do wonders by drawing the attention of suitable customers to items which the majority are not showing any interest in purchasing.

#### TRADE NOTES

Summer Offer.—International Chemical Co., Ltd., 12 Chenies Street, London, W.C.1, are offering during the summer with Kolynos tooth-paste, travel rugs, picnic sets and beach towels at prices below normal retail levels.

In Two Packs.—Beecham Research Laboratories, Ltd., Great West Road, Brentford, Middlesex, point out that the oil-adjuvant influenza virus vaccine Flugen-E is issued in carton containing one syringe and in box containing ten syringes and not as previously stated.

Lawns Without Clover and Worms.

— A specific weed-killer, Clovercide, against clover and small-leaf lawn weeds, and a liquid worm-killer and grass-pest insecticide, Chlordane, are marketed by Synchemicals, Ltd., 23 Borough High Street, London, S.E.I. Each is in trial, 4-oz. and pint sizes.

Selling-unit Offer.—H. J. Heinz Co., Ltd., Harlesden, London, N.W.10, are offering a baby-food selling unit for only £3 against an order for thirty varieties of Heinz baby food. The unit, which is of steel construction, has nine shelves and is finished in white stove enamel, with coloured shelf labels. Its eapacity is 66 doz. cans.

Emergency Delivery Arrangements.—Nicholas Laboratories, Ltd., and British Schering, Ltd., have arranged for a 24-hour emergency delivery service to be provided by John Bell & Croyden, 50 Wigmore Street, London. W.I. The service will operate at all times outside normal working hours (9 a.m. to 5.30 p.m. Monday to Friday). Stock orders will continue to be dealt with at Slough.

Lecture Service. — County Laboratories, Ltd., Beecham House West, Great West Road, Brentford, Middlesex, state that the lecture service they started three years ago has become so popular that the lecturer is now fully booked until the end of 1964. Lecture demonstrations timed for the period September to December 1963 are:—Southampton, September 17; Putney,

October 3: Colwyn, October 15; Sunderland, October 22: Middlesbrough, October 24: Finchley, October 28: Derby, November 5: Worcester, November 19; and Southend, November 27.

Credits for Stocks Held.—Pharmethicals (London), Ltd., Victoria Way, Burgess Hill, Sussex, state that full eredit is being given for unbroken stocks of Anovlar held on their shelves on July 22, the date of the price reduction of that preparation. Since, however, the company hold no direct accounts with retailers, claims should be made to usual wholesalers, or to the company giving the name and address of the wholesaler.

French Perfume Promotion. — The Society of French Perfumers (Great Britain), Ltd., 74 Brook Street, London. W.1, are starting on October 1, in conjunction with Vogue, a campaign to promote the sale of the perfumes of its now twenty-four members. Money prizes and diploma awards are being offered for the most original and imaginative window display, using the 1963 theme "French Perfume Aids the Personality." The Society is supplying the display material, which consists of posters, streamers and showcards, plus a three-sectional display-piece. One of two groups under which the competi-tion is organised is for chemists and hairdressing salons. Judges from Vogue are selecting the winning windows from photographs: 600 chemists and hairdressers are expected to take part.

#### **Christmas Showrooms**

THE following have been notified:—
H. BRONNLEY & Co., LTD., Metropole Hotel,
BRIGHTON, August 19-22; Queen's Hotel,
WESTCLIFF-ON-SEA, August 19-22.

BOURIOIS, LTD., Yarborough Hotel, GRIMSBY. August 13-15; Polygon Hotel, SOUTHAMP-TON, August 13-15; Victoria Hotel, SOUTH-END, August 19-21.

COTY (ENGLAND), LTD., Grand Central Hotel, BELFAST, August 19-22; Metropole Hotel, BRIGHTON, August 19-23; Royal Hotel, BRISTOL, August 19-23; Victoria Hotel, SOUTHEND, August 19-22.

DUBARRY PERFUMERY Co., 1 tb., Royal Hotel, BRISTOL, August 19-23.

J. C. & J. FILLD, Metropole Hotel, BRIGHTON August 19-23.

J. GROSSMITH & SONS, LTD., Metropole Hotel, BRIGHTON, August 19-23.JACKEL & Co., L1D., Grand Central Hotel, BEL-

JACKEL & Co., L1D., Grand Central Hotel, BEL-FAST, August 19-23; Abererombie Hotel, EDINBURGH, August 12-15.

MORNY, LTD., Metropole Hotel, BRIGHTON, August 19-23; Royal Hotel, BRISTOL, August 19-23; Queen's Hotel, WESTCLIFF-ON-SEA, August 19-23.

Helena Rubinstian, Ltd., Grand Central Hotel, BELFAST, August 19-22; Royal Station Hotel, NEWCASTLE, August 19-22,

ROBERTS WINDSOR, LTD., Metropole Hotel, BRIGHTON, August 19-22; Royal Hotel, BRISTOL, August 19-22.

#### **Bonus Offers**

Dalmas, Ltd., 215 Charles Street, Leicester. Mimosept sanitary napkins. Madame and Mam'selle sizes, 1 case at 18s.: 2 cases at 17s. 6d.: 5 cases at 17s.; 10 cases at 16s. 6d.: 20 cases at 16s. per doz., net. In return for fourteen days' display.

#### NEW PRODUCTS AND PACKS

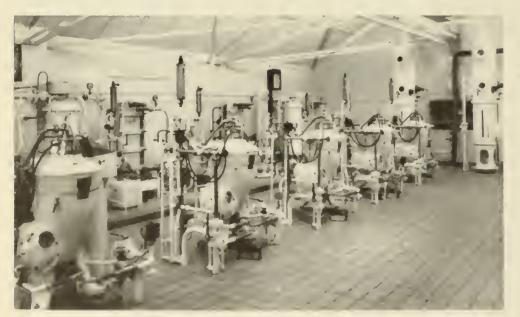
Multi-strain Fowl-pest Vaccine. — A new fowl-pest vaccine containing five killed strains of the Newcastle disease virus has been developed by the Twy-ford Laboratories, Ltd., Park Royal, and is being marketed under the trade name Pestivac by the Crookes Laboratories, Ltd., Park Royal, London, N.W.10. The product is the first to be produced commercially at the Twyford Laboratories, which were established

three years ago and have been given over to fundamental research. Each of the strains has been selected for its ability to stimulate effective protection against the disease in both chickens and turkeys. The inclusion of five strains is considered to lessen the risk that the pest may become resistant to the immunity conferred by a single-virus-strain vaccine.

Pack and Products Improved.—FBA Pharmaceuticals, Ltd., Burrell Road, Haywards Heath, Sussex, state that, in addition to reducing the price of Iversal lozenges, they are now presenting them as an improved lozenge in an eye-catching pack. Since August 1 the lozenges have been wrapped in foil in box of sixteen, with product name embossed upon the lozenge, an improved appearance, and a chocolate flavour.

Injection Forms. Merek Sharp & Dohme, Ltd., Hoddesdon, Herts, are issuing two new specialities. Aldomet injection (an alternative to Aldomet (methyldopa) tablets) and AquaMephyton (an aqueous solution of vitamin K<sub>1</sub> for injection), stated to represent an entirely new vehicle that can be administered by the intravenous, intramuscular or subcutaneous routes. Aldomet injection is issued in container of 5 mils, and AquaMephyton in pack of six 1-mil ampoules (10 mgm. per mil).

Oral Anticoagulant. The oral anticoagulant eumetharol (B.P. approved name) is now available in the United Kingdom under the brand name Dicumoxane from M.C.P. Pure Drugs, Ltd., Alperton, Wembley, Middlesex, Cume-



(OD-11V1R OH, PROCESSING: New plant for processing con-liver oil out of contact with air ut the Marlleet, Hull, refuery of British Cod Liver Oils (Hull and Grimsby), Ltd. The resulting oil is said to be of a quality previously impossible to achieve, colour, taste and smell being improved; free acidity is practically absent.

tharol is 4:4'-dihydroxy-3:3'(2-methoxyethylidene) dicoumarin, a coumarin derivative. Reports of its synthesis, pharmacological properties and toxicity were first published ten years ago, and further pharmacological studies and a preliminary clinical investigation were reported at the first international conference on thrombosis and embolism at Basle, Switzerland, in 1954. Since that time it has been increasingly in use in several countries, and a considerable volume of clinical experience has been accumulated. Cumetharol is in the class of intermediate-acting anticoagulants, generally considered of the highest practical value in anticoagulant therapy (easiest to control and giving rise to the fewest "escapes" from the therapeutic range of prothrombin activity). Chemically, cumetharol is unrelated to the indanedione group of anticoagulants. It is, like all oral anticoagulants, contraindicated in haemorrhagic conditions, peptic ulcer, hepatic or renal insufficiency, during pregnancy, and after neurosurgery. Each tablet contains 75 mgm. of cumetharol. The packs are bottles of twenty-five, 100 and 500.

Against Lenkæmia in Children. — A new drug for the treatment of acute leukæmia in children is now available to the medical profession under the trade mark Oncovin (vincristine sul-phate, Lilly). The product, developed in the Lilly Research Laboratories in Indianapolis, U.S.A., is claimed to have prolonged significantly the survival of children with acute leukæmia after their cases had become refractory to other drugs. Oncovin is one of about forty alkaloids obtained by the company's phytochemists from a flowering shrub, periwinkle (Vinca rosea, Linn), and the second alkaloid to be made available to physicians for treating patients. The first was Velbe (vinblastin sulphate, Lilly), which is used in the treatment of generalised Hodgkin's disease and of a rare cancer called choriocarcinoma. The alkaloid is obtainable in only minute amounts from the periwinkle plant, 1 oz. of the drug being the yield of as much as 10-15 tons of the plant, Extraction and purification require four months, and the company, as a public service, is marketing the drug on a non-profit basis. In the two years since the first clinical trials at the Marion County General hospital, Indianapolis, data have accumulated to show that Oncovin "has at least the same order of activity as the other recognised agents used for treating acute leukæmia in children. Further clinical trials are being carried out in major cancer clinics in twenty-four countries, including Great Britain. In general, state Messrs. Lilly, side effects observed with the use of Oncovin are reversible and related to dosage. The most troublesome are neuromuscular disturbances. Oncovin, administered intravenously at weekly intervals, is issued in combination packages, one containing ampoule 694 (1 mgm. of Oncovin with 10 mgm, of lactose) plus ampoule 696 (diluting solution, 10 mils, containing 90 mgm. of sodium chloride with 0.9 per cent. benzyl alcohol as preservative); and ampoule 695 (containing 5 mgm. Oncovin and 50

mgm. lactose) with ampoule 696. Owing to the shortage of material, elinical trials are curtailed, and requests for trials in additional institutions are being refused.

Canned Fruits for Diabetics. — Alfonal, Ltd., The Adelphi, John Adam Street, London, W.C.2, have introduced a range of diabetic products under the brand name Dict Pack. The products are understood to have the approval and recommendation of the British Diabetic Association, and the range includes five varieties of fruits canned in water, Each can holds 8 oz. Mixed cases containing twenty-four tins of five different varieties are supplied on

Home Massage Outfit.—Halex division of British Xylonite Co., Ltd., Highams Park, London, E.4, are marketing a Swiss-made Caress home



beauty-care set. The set includes a bat-tery-operated vibratory appliance and eight interchangeable massage attachments. The appliance is swiftly converted into a battery-operated shaver.

Giant-size Bath Soap.—A new size of soap has been introduced in the Imperial Leather range of Cussons, Sons & Co., Ltd., Kersal Vale, Manchester. It is an 8½-oz. tablet, named "giant bath," and it replaces the 12-oz. "magnum" formerly issued. Messrs. Cussons claim that their Imperial Leath claim that their Imperial Leather now has about 9 per cent. of the toilet soap market in Britain on a cash turnover basis, and continues to increase its share.

Standard-volt Shaver. — Sunbeam Electric, Ltd., Nerston, East Kilbride, Glasgow, announce a new standard-volt model of their 555 electric shaver. The new shaver includes all the features of its predccessor the 555 (three hollowground blades, precision-built 16-bar armature motor, and micro-thin shav-



ing head) with the added feature of a built-in on/off switch. The shaver operates on 190 to 250 volts, a.c. or d.c. A two-year guarantee is offered.

Colour Trial Without Error. — Dorothy Gray, Ltd., 565 Kingston Road, London, S.W.20, have produced in their new Colour Drama what they "a trial-without-error describe as pack. Presenting lipstick and eye shadow each in four shades. It goes on retail sale from September 1.

Bath Cubes and Soap.—Coty (England), Ltd., 3 Stratford Place, London, W.1, have launched two new perfumed specialities: bath cubes (double) in container of six l'Aimant or assorted; and bath soap in l'Aimant, Chypre, l'Origan, Muguet and Paris, in pack of three tablets each in transparent film.

Portable Water Filter. — Travellers whose stay abroad has been spoiled by digestive upsets will probably be good customers for a new water filter duced by British Berkefeld Filters, Ltd., Town Mills, Tonbridge, Kent. The apparatus is a plastic bottle containing a small porous filter which,



besides eliminating all the impurities suspended in the water, also destroys water-borne bacteria, yielding water safe for drinking and without the "flat" taste of boiled water. The secret of the efficiency of the device is its Sterasyl self-sterilising filter candle, containing silver particles, which have a bacteridical action. The filter is filled by unscrewing the cap from the body and pouring in the water to be purified. The cap is then screwed on and the disc-shaped knob, which is in fact a pump handle, is operated. That sets up pressure in the bottle, forcing the water through the filter candle and up through a bypass to the outlet. The bottle holds  $1\frac{1}{2}$  pints, of which one pint is effective, allowing the remainder to submerge the candle. The pack is comparatively flat and the overall size 9 x 5 x 3 in.

#### INFORMATION WANTED

The Editor would appreciate information about:

Plastachrome plastic gloves tion J. Vily inhalers Combination J.









ONE

TWO

THREE

FOUR









FIVE

SIX

SEVEN

EIGHT







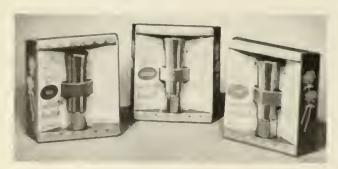


NINE

TEN

ELEVEN

TWELVE







FOURTEEN



CIETCEN

Service of the servic

#### merican award-winning packages for drug and cosmetic products

1963 folding carton competisponsored by the Folding r Box Association of America for the first time international, es being accepted from paper making companies abroad, ign entries were, as expected, ively few, but some gained ds—none, however, in the cinal and cosmetics categories. It he level of the best British ages in those categories is unctedly high, it is to be hoped more are entered for the 1964 settition. The illustrations

A self-feeding unit made by Wilkata Folding Box Co. for Mennen Co.

Centerex display, from the ins Co. (division of the Union Camp Paper Corporation), by the judges to exemplify treme ethical appeal."

combination pack of Arrestin drops and spray in one plastic. Made by the Coates Board arton Co. for the Johnson & on organisation, bottle and n are in bright red.

techargeable powered toothconsumer made by Paper ge Co. for Sears Roebuck & rraised for its printing exceland its capability or being as a compact counter display. Container, and strong transit

Contac display made by the s Board and Carton Co., for Menley & James division of North Caboration of the Caboration of

'Marketing power'' gained an I for the Australian company, iners, Ltd., Victoria, for their chewable aspirin display, for Tromax Pty., Ltd. The is a flip-top carton offering crush resistance and easying.

'ackage by paper board prodivision of Consolidated s, Inc., for the Hankscraft Nursmatic 42-piece "insta-"nurser kit,

lack, gold and white obelisk made by the Federal Paper Co. for the Purex Corpora-

ath-oil container, made by a on of the St. Regis Paper Co. elene Curtis, Inc. It features a small container of talcum sr.

osmetic carton made by Don-Inc., for Maradel Products. It incorporates a famous ssance painting, with surround saic design,

ounter display made by the eworth Carton Co. for the Drop moisturising creme of ir, Inc. The display holds six nal cartons of the product. Units and display card have on cut from one sheet.

op award in "soap" classin. It went to the Royal Box Corporation for a packade for the Natone Co, that be displayed set up on a r or flat on a shelf.

rio of packs by Lord Balti-Press, Inc., for Bonne Bell ted lipsticks. The lipstick is a background that illustrates act shade of the product orange or pink). A flap is o secure the lipstick and so protection from pilferage,

ell shampoo premium pack ed for Proctor & Gamble Co. e Richardson Taylor-Globe n of Lord Baltimore Press,

smetic package made by Burt Co., Inc., for the Avon pation.







SEVENTEEN



EIGHTEEN

DRUG and medical mailing packages also featured prominently among the winners of the 1963 rigid box contest sponsored by the (United States) National Paper Box Manufacturers' Association. Some of the entries that gained distinction are shown:—

16. First award in the "best combination" category: a box holding six Novahistine samples for the physician. Made for the Pitman-Moore Co. by the Paper Package Co., it combines a colour-coded rigid box tray with a clear plastic

protector. For shipment it is encased in a fo'ding box sleeve.

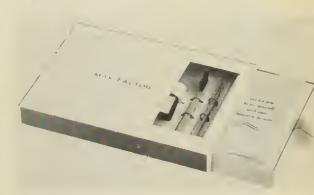
17. Mailing box manufactured for CIBA Pharmaceutical Co, by the Warner Packaging Co. A "Z" divider separates the two sections so that four sample folders may be inserted.

18. Drug mailing box made by Walter P. Miller Co., Inc., for CIBA Pharmaceutical Co. The thumb cuts give ease of opening and the glued flaps make mailing easy.

19. A mailing box holding bottle



TWENTY



TWENTY-ONE

and measuring spoon securely in place. Made by Kiernan-Hughes Co. for J. McKibbon, Inc.

20. A book-type box with hinged cover made by George H. Snyder, Inc., for Ortho Pharmaceutical Corporation. A white booklet glued to the lid interior describes the drugs, which rest on a platform of white plastic.

21. Container with die-cut window and pull drawers made by Speciality Paper Box Co. for Max Factor & Co. The cosmetics are securely fastened to the base by gold cords.



MINISTER VISITS WORKS: Mr. Alan Green (Minister of State, Board of Trade) being greeted by directors of the William Edge group of companies during a recent visit to group's works (C. & D., July 20, p. 54).

# Black-currants by the Thousand Ton

#### NON-STOP PRODUCTION OF THE JUICE AT COLEFORD WORKS

WITH the need to lay down a year's supply of black-currant juice for their Ribena syrup during the short fruiting season of five to six weeks, H. W. Carter & Co., Ltd. (a subsidiary of Beecham Foods, Ltd.), keep production going all round the clock, seven days a week, until the last berries have been processed.

So as to be sure that they receive sufficient berries for their requirements in any season, the company arrange long-term contracts with the growers. The task of ensuring that the lorries, laden with their perishable cargo, arrive at the factory at the right time is a major operation in organisation, particularly when the growers are in such widely scattered locations as Lincolnshire, East Anglia, Somerset and the



Trays of black-currants being tipped into a hopper for transport to a mill for pulping.

Wye Valley (where the Coleford factory is situated).

#### Arrival of the Berries

In a normal season thousands of tons of berries are handled at the factory. They arrive from the plantations in trays, whose contents are tipped on to conveyor belts, from which any extraneous matter is removed. The berries pass to a mill for pulping. Heat is applied and a special pectinase added to break down the pectin of the fruit. an enzyme action that takes about three and a half to four hours. When depectinisation is complete, the pulp is pumped to tanks ready for pressing. Part of the juice meanwhile separates off, and the remaining bulk is run on to nylon eloths which are built up into a "cheese" as in cider making. The "cheese" is pressed and the juice, with what has already collected, passes through a vibratory sieve and is eentrifuged. To ensure economy in storage space the juice is concentrated to about a quarter of its volume, the volatiles being removed at the beginning of the operation. Stripping (removal of volatiles) enables a higher concentration of the juice to be achieved and enhances its keeping properties. The volatiles have also been found to hold their flavour better when stored separately. The concentrated juice is piped to underground storage tanks of 5,000-gall, capacity, of which 138 are in use, all kept at a temperature of 2° C. At each stage, samples are taken for the quality control laboratories, which must pass the product each time before



Preparing the "cheese" for pressing.

the batch goes on to the next. When in store the juice is frequently tested for flavour and for microbiological condition: growth of any yeast organism could soon cause trouble, if undetected. Apart from research into new products and improving existing ones, some of the main additional features of the laboratories are research into biochemical composition of citrus and homegrown fruits, analytical procedure for some of the minor constituents of fruit juices and an examination of the nutritional possibilities of many of the products that are manufactured at the factory.

#### TESTING GUM TRAGACANTH

#### A city merchant's own laboratory

KIMPTON Brothers, Ltd., 36 Poultry, London, E.C.2, ean claim to be one of the few City of London merchants to have their own laboratory on the premises for testing their commodities.

One of the chief articles of produce in which they are dealing is gum tragacanth, for which the company has become a leading supplier. It is believed that they are the only British company to market tragaeanth as a branded article. Samples are sent by Messrs. Kimpton's own shippers for approval before each consignment is dispatched to the United Kingdom. Under the trade mark Red Carnation, which derives from the button-hole invariably worn by the managing director of the company, Kimpton Brothers, Ltd., offer powdered tragacanth in standard qualities, giving the important advantage that, once a user has settled on a certain grade, he can confidently order again in the knowledge that he will receive material with identical physical properties as on the first occasion. To enable the company to give an assurance to that effect, samples of every consign-ment are analysed on arrival in their laboratory for viscosity, colour and cleanness. The business in gums, honey, crude drugs, etc., dates back over eighty years. It was founded in 1882 by Charles II Kimpton, who was joined eight years later by his younger brother, Ernest S. Kimpton. The present managing director is the son of the founder—over eighty years between two generations!



Fesling for the viscosity of a sample of tragacanth in the company's own laboratory, Rows of samples can be seen at lett of illustration.

#### Vitamin Content Increased

Recently the vitamin C content of Ribena syrup has been increased to give a guaranteed minimum content of 75 mgm, per fl, oz, The action was taken because of pronouncements by the United States National Research Council and similar bodies in Switzerland, France, Western Germany and Russia that a higher daily vitamin C content was necessary than had been formerly thought necessary, namely 75 mgm, against 30 mgm, for a male adult and pro rata. Apart from the appropriate alteration to the Ribena label, publicity is not being given to the change in vitamin content until the autumn.

#### **EXPANSION PLANS**

IMPERIAL Chemical Industries. Ltd., have formed a new subsidiary company in Italy to be known as Imperial Chemical Industries (Italia), S.p.A. The company will first supervise the operation of a small new plant at Rosignano on the West Coast of Italy to manufacture Cereclor, a plasticiser extender.



For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE: CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

#### Potent Drugs in Wrong Hands

Growing public anxiety about the abuse of what are colloquially known as "pep pills and tranquillisers" was reflected in the anxiety expressed in a Parliamentary answer on August 1 (see p. 124). The Parliamentary Under-Secretary, Home Office, then said that the Home Secretary was greatly concerned about abuse of Drinamyl and other similar drugs. Recently, it will be recalled, the chairman of the Statutory Committee warned pharmacists against negligence in dealing with Schedule 4 drugs.

The responsibility of pharmacists when dealing with potent drugs is a paramount consideration. It is, in fact, the very basis of professional pharmaceutical life. Good professional practice cannot, however, be encouraged merely by threats of sanctions, nor is it to be understood that warning given by the Statutory Committee chairman was solely directed at those pharmaceutical chemists who are concerned in retail practice. Pharmacists in all spheres who are dealing with the production and distribution of any poisons, and especially those in the first and fourth Schedules, should regularly overhaul their systems of handling and storage to ensure that some reminder is automatically given of the nature of the products, so that they are invariably handled in accordance with current legislation. The Home Secretary's problem, however, appears to us to concern far less the counter of the retail pharmacy as the general outlet for illicit supplies, than illicit diversions by other agencies in the channels of distribution of drugs, and of course the possibility of importation cannot be overlooked. It is, we feel, up to all pharmacists concerned with the production, selling and distribution of drugs and medicines, and not to the general practitioners of pharmacy alone, to review the controls for some of which they are legally but for all of which they are morally responsible.

#### A Caveat for Chemists

IRRESPECTIVE of the desirability or otherwise of selling "free gift" packs in pharmacies, the nature of the gift itself may need to be looked at before the chemist takes it into stock. The National Pharmaceutical Union has asked us to put chemists on the alert about one aspect of one particular offer. They have told us that a small pair of scissors supplied as a free gift attached to a tooth-paste carton is said to have damaged the eye of a

child. We have not as yet been given the full report of the circumstances, and are not, of course, competent to judge if a charge of negligence against either the manufacturer or the retailer could be substantiated. We draw attention to the situation so that no other child may become similarly involved.

The whole situation illustrates the growing complication of retail trading, when a pharmacist may order branded goods and receive with them other items, the presence of which is fortuitous—placed there by the manufacturer—but which the retailer takes so as not to be at a competitive disadvantage.

Undoubtedly the degree of control the retailer exercises when buying, and on the choice of goods that he would offer if he were not subject to other pressures, has been greatly lessened by large-scale advertising. One of the features of modern mass selling techniques is that of the "free gift," offered as an inducement with branded articles. Such schemes have been applied to a variety of products, but to a quite extraordinary and inexplicable degree in respect of tooth-pastes. The gifts are sometimes loosely attached to the carton, sometimes bound together in a special package designed to form an attractive display ready to stimulate "impulse" purchases.

Legally, the responsibility of the retailer to fulfil his obligations to his customer remains, though it may tend to have been overlooked by manufacturers in general. The responsibilities may extend beyond the person to whom he sold the goods to others who are not actual purchasers. In view of the changes brought about by mass advertising, the time may have come for redefining the relative limits of responsibility of manufacturer and distributor. That is a more general question.

## Drug Share Movements

A REVIEW OF THE MAY TO JULY PERIOD

STIMULATED by the Chancellor's comments that there are encouraging prospects of the country's economy expanding without inflation, equity markets have taken on a happier appearance in recent days. Business continued to be selective, but it was on a broader scale than of late.

Since the last review (C. & D., May 11, p. 524), shares in pharmaceutical companies have generally more than held their ground, with substantial gains recorded in a number of instances.

F. W. Hampshire announced a 5 per cent. increase to  $12\frac{1}{2}$  per cent. in the interim dividend, though the total for the year may be unchanged. A firm market, ahead of the announcement, the "A" shares jumped 3s. 3d. further to 52s. on the news, making them 9s. 6d. higher in three months. Glaxo met with good investment support, which lifted the price to 48s. 6d., but a little profit-taking caused a reaction to 48s. Macarthys Pharmaceuticals changed hands at up to 14s.  $10\frac{1}{2}$ d. Smith & Nephew continued to receive steady support and the price moved up 1s. 3d. to 15s. 9d. Willows Francis were prominent with a rise of sixpence to 14s.

In front of the news of a likely bid of 20s. per share (subject to agreement between the Wellcome Foundation and Mead Johnson & Co.). British Drug Houses were 1s. better at 17s. Following the bid, they jumped to 19s. and then, after easing back to around 18s. 6d. on profittaking, dipped sharply to 16s. 6d. on the news that negotiations had broken down. They closed at around 16s.

A revaluation of the properties of Vitamins, as at March 31, resulted in a surplus of £226,612, though the directors have no present intention of capitalising the sum. The

shares have gained ground during the past few weeks and are now standing at around 13s.  $1\frac{1}{2}d$ . Timothy Whites & Taylors were well supported, and the price responded by rising 2s. to 27s. 9d. Savory & Moore held steady at 23s. and they were bought at 23s.  $1\frac{1}{2}d$ . Sangers were a good market, with a jump of 1s.  $10\frac{1}{2}d$ . to 6s. Hodders were unchanged at 3s., but received support up to 3s.  $3\frac{1}{4}d$ .

Although the chairman's statement at the annual meeting of Boots Pure Drug—that sales during the first three and a half months of the present financial year were up by  $6\frac{1}{2}$  per cent.—pleased the market, it had little effect on the price of the shares; at 24s. 9d. they are one shilling lower than three months ago.

Barclay & Sons added sixpence at 3s. 6d., while British Alkaloids moved up a similar amount to 8s. Fryer & Co.

(Nelson) rose Is. 3d. to 25s. 6d.

After rising to 7s.  $1\frac{1}{2}$ d., Three Hands fell sharply to 5s. 6d., following the directors' statement that "in their opinion short-term buying of these shares is under no circumstances justified at the present time." A belief that the fall had been overdone brought in buyers, and the price recovered to around 6s. 9d. at the close of the period.

Following the chairman's comments at the annual meeting about the continuing improvement in profit margins. Beecham Group met with good support, and the price improved to 37s. 9d.; they closed the period at 37s. 6d. Unilevers (a favourite among U.S. investors) were affected by President Kennedy's proposed interest equalisation tax; they dipped to 39s. at one time, but recovered to around their present price of 40s. 6d. a net loss of 2s. in three months.

Wright, Layman & Umney, at 141s. 3d., and Arnold M. Gee, at around 2s. 10½d., were unaltered.

Following earlier weakness. Aspro-Nicholas recovered well following the chairman's confident prediction of a further increase in profits in 1963. The shares closed the period at 15s., after being below 14s. Dixor were supported at 1s. 1\frac{1}{2}d. in London.

P. C. Cahill announced a useful increase in net profit for the year ended April: £27,617 (against £24,652). The shares were steady at around 59s. on the Dublin Stock Exchange, where May Roberts (Ireland) were firm at 70s., at which price they changed hands, but James Crean & Son (1936), were unaltered at 12s.

#### **NEW BOOKS**

#### Pentose Metabolism in Bacteria

B. L. HORECKER, John Wiley & Sons, Ltd., Glen House, Stag Place, London, S.W.1.  $7\frac{1}{2}\times 5$  in. Pp. ix + 100. 30s.

THE material contained in this book was first presented at the Institute of Microbiology, New Brunswick, N.J., in 1962, as the CIBA lectures in microbial chemistry. Three chapters (on oxidative pathways, fermentation mechanisms and enzyme mechanisms in the carbon-carbon cleavage reactions) review current knowledge of the rôle of five-carbon sugars in micro-organisms and higher forms.

#### The Way of Enterprise

HARRY MILLER, Andre Deutsch, 105 Great Russell Street, London, W.C.1, for Institute of Economic Affairs.  $8\frac{1}{2} \times 5\frac{1}{2}$  in, Pp. 274, 30s.

Nor all will agree with the author's comments on resale price maintenance "bolstering up the small trade" but most will enjoy his style of writing and the story of twenty-one post 1939-45 war British firms. At some point the reader will say to himself "Why did I not think of that" when reading the histories of these successful companies. There are no purely pharmaceutical concerns described but there is at least one, Edward Gurr, Ltd., who will be known to most readers of The Chemist and Druggist, Said to be the largest business in the world engaged exclusively in the production of microscopic stains and associated products, the company's initial capital of £1,000 has grown to £100,000.

#### Chromatography and Electrophoresis on Paper

1. G. LEINBERG, B.SC., M.SC., D.V.M., M.I.BIOL., and IVOR SMITH, B.SC., PH.D., F.R.I.C., M.I.BIOL. Shandon Scientific Co., Ltd., 65 Pound Lane, London, N.W.10.  $8\frac{1}{2}$  x  $5\frac{1}{2}$  in, Pp. xii + 130. 21s.

Sponsored as a teaching level manual by Messis, Shandon, and intended for use in conjunction with Shandon Unikit apparatus, the book gives in its first section (devoted to chromatography) a brief history of the subject and an explanation of principles and practice. The style is lucid and easily intelligible. Basic and supplementary experiments are appended, and a similar plan is followed in the second section (on electrophoresis). Hlustrations are numerous and good and include nine colour plates. An appendix of solvents, buffers, locating reagents and stains is incorporated and there is an index.

# ANY BUSINESS QUESTIONS?

My company's Certificate of Incorporation has been destroyed. Can I obtain another, please?

Att that is necessary is to make application to the Registrar of Companies quoting the company's name and its number on the register. A fee of 6s. 0d. will be payable.

I make up my accounts to March 31 each year. In my last financial year I bought some fixtures, mainly shelving and showeases. The Inspector of Taxes has now told me that on some of the equipment I receive allowances at a lower rate than on the rest of it. He bases that on the date on which I bought the fixtures, though in one case he has given me a lower rate on a second-hand showcase than on a new one bought the same day. It all seems very complicated and unreasonable. Is it right, please?

Titt short answer is, yes! Fixtures and fittings bought after November 5 are to receive allowances at a rate of 15 per cent per annum, whereas those bought before that date receive allowances at a rate of 5 per cent, x 5/4ths or 64 per cent. If, however, second-hand fixtures are bought after November 5, 1962, and they were first new before that date the allowances are at the lower rate.

Behind my shop is a strip of land about 12 ft. wide over which I have a right of way, though the land is owned by the owner of a house on the opposite side of the strip. The owner now tells me that he intends to erect gates at the end of the strip of land. If the gates are kept locked I shall not be able to get by van out at the back. Can he do this?

THE owner of the land must take all reasonable steps to avoid obstructing your free passage over the land. If you are in the habit of taking your van over this piece of land you have a perfect right to continue, and you could obtain an injunction to restrain the owner from preventing your doing so. The mere erection of gates, however, seems unlikely to result in such obstruction if you have a key and are free to open them at all times. That seems a reasonable solution, and if the owner provides you with such a key there seems no reason why he should not erect gates.

My wife and I, both pharmaeists, are in a business

partnership and have a pharmacy. Occasionally I do a locum to oblige local chemists and use my car to travel to and fro, as well as to the shop and usual outings. Am I entitled to claim for petrol, maintenance and depreciation? A van is in general use for the business. From what you say it appears that the locum work which you do results in you receiving fees which you include as part of the receipts of the partnership business. Upon that assumption you are certainly entitled to deduct the cost of running your car as a business expense in so far as it is used for that purpose. The expenses of travel from home to your place of business are, however, treated as being of a private nature. By the same token you are entitled to capital allowances in respect of the car, and the amount which you receive will depend upon the extent of the business as opposed to private use of the car. The fact that the partnership runs a van using a C licence has no bearing upon this point.

#### **GUIDE TO NEW MEDICAMENTS**

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 141.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 10, 1963

A URACET ear drops

MANUFACTURER: Ward, Blenkinsop & Co., Ltd., Fulton House,
Empire Way, Wembley, Middlesex.

DESCRIPTION: Drops containing 2 per cent. of aluminium acetotartrate, 2 per cent. of lead subacetatc, 5 per cent. of polyvinyl pyrrolidone and peppermint water to 100 per cent. INDICATIONS: Acute and chronic diffuse otitis externa.

METHOD OF USE: Two drops should be instilled into the affected meatus three times a day.

Notes: The ph of Auracet drops is 4·3-4·5, similar to that of the nomal "acid-mantle" of the skin of the auditory

How Supplied: In plastic dropper-bottle of 15 mils and dispensing pack of 200 mils.

FIRST ISSUED: June 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 10, 1963

#### NORLESTRIN tablets

Manufacturer: Parke, Davis & Co., Staines Road, Hounslow, Middlesex.

DESCRIPTION: Salmon-coloured, round tablets, stamped "P-D" on one side. Each contains 2.5 mgm. of norethisterone acctate and 0.05 mgm. of ethinylæstradiol. Progestational and estrogenic.

INDICATIONS: Amenorrhæa, menstrual irregularity, dysfunctional uterine bleeding, infertility, premenstrual tension, dysmenorrhœa, menopausal syndrome and pregnancy testing. Has been used with success for the control of conception.

Dosage should be adapted to the specific indication and therapeutic response of each patient (see manufacturer's literature).

How Supplied: In bottles of twenty and 100.

SUPPLY RESTRICTIONS: P.I, S.4B.

First Issued: June 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 10, 1963

#### DORNAVAC

MANUFACTURER: Merck Sharp & Dohmc, Ltd., Hoddesdon, Herts.

DESCRIPTION: Vials of pancreatic dornase (deoxyribonuclease). Mucolytic agent.

INDICATIONS: Bronchopulmonary infections; paranasal sinus infections; tracheitis sicca, cystic fibrosis of the pancreas and urilogical conditions.

Dosage: Bronchopulmonary infections, 50,000 to 100,000 units once to four times daily by inhalation for one to seven days (see manufacturer's literature).

Side Effects: Local irritation and occasional sensitivity to beef protein.

STORAGE: Preferably kept at 2-10° C.

How Supplied: In vial containing 100,000 units of pancreatic dornase together with a 2-mil vial of sterile diluent (sodium

SUPPLY RESTRICTIONS: Recommended on prescription only. First Issued: May 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 10, 1963

#### VARIDASE oral tablets

Manufacturer: Lederle Laboratories division, Cyanamid of

Great Britain, Ltd., Bush House, Aldwych, London, W.C.2. DESCRIPTION: Round, peach-coloured, scored tablets, each containing 10,000 units of streptokinase and 2,500 units of streptodomase

INDICATIONS: Relief of pain and inflammation following trauma

CONTRAINDICATIONS: Contraindicated in patients with a reduced prothrombin time.

Dosage: One tablet four times a day. SHELF LIFE: Expiry date of one year.

How SUPPLIED: In bottle of twelve.

SUPPLY RESTRICTIONS: Therapeutic Substances Act (Part II).

FIRST ISSUED: June 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 10, 1963

#### ISOTENSE tablets

Manufacturer: Nicholas Laboratories, Ltd., 225 Bath Road, Slough, Bucks.

DESCRIPTION: White, scored tablets imprinted "I" on each side of bisection. Each contains 1 mgm. of syrosingopine. Antihypertensive.

INDICATIONS: Hypertension with associated anxiety.

CONTRAINDICATIONS: Should be used with caution in depressed patients or those with peptic ulcer. Treatment should be discontinued seven to ten days before anæsthesia.

DOSAGE: Two tablets twice a day reducing to one twice a day (see manufacturer's literature).

PRECAUTIONS: Should only be administered to women in first trimester of pregnancy in severe cases of hypertension.

How Supplied: In pack of 100. SUPPLY RESTRICTIONS: P.I, S.4B.

STORAGE: Should be protected from light and kept in wellclosed containers.

First Issued: June 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 10, 1963

#### MEDIHALER-ERGOTAMINE

MANUFACTURER: Riker Laboratories, Morley Street, Loughborough, Leicestershire.

DESCRIPTION: Self-propelled aerosol inhaler containing 9 mgm. per mil of ergotamine tartrate in an inert propellent. Each vial delivers sixty measured doses of 0.36 mgm, of ergotamine tartrate. Vasoconstrictor.

INDICATIONS: Migraine, recurrent vascular headache, histaminic cephalalgia, occipital neuralgia.

CONTRAINDICATIONS: Septic conditions, coronary disease, peripheral vascular disease, renal or hepatic dysfunction, hypertension, pregnancy.

METHOD OF USE: One inhalation immediately after onset of symptoms. Further inhalations may be taken, if required, at five-minute intervals (average dose one to three inhala-

PRECAUTIONS: Not more than six inhalations should be administered in twenty-four hours. Maximum dosage in one week should not exceed fifteen inhalations.

SIDE EFFECTS: Occasional nausea and vomiting in some patients; occasional muscular pain (can be controlled by reduction of dosage).

How Supplied: As complete pack with oral adaptor, and as a refill pack.

SUPPLY RESTRICTIONS: P.I, S.1.

First Issued: June 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 10, 1963

#### NIVEMYCIN dental tablets

MANUFACTURER: Boots Pure Drug Co., Ltd., Station Street, Nottingham.

DESCRIPTION: Small white tablets each containing 25 mgm. of neomycin sulphate, in a special soluble base.

INDICATIONS: Prevention of post-operative sepsis and "dry socket" following tooth extraction.

METHOD OF Use: One or two tablets should be placed in the socket following tooth extraction.

SHELF LIFE: At least three years (in unopened bottle).

How Supplied: In bottle of thirty.
Supply Restrictions: Therapeutic Substances Act. (Part II.) First Issued: June 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 10, 1963

#### AMENDMENTS

BIOGASTRONE TABLETS: Now on general distribution. Supplied in boxes of twenty-four and 100 foil-wrapped tablets.

BENURIDE TABLETS: Now double-scored.
Tolseram tablets: Now embossed "Squibb" on one side. PRONESTYL TABLETS: Now embossed 'Squibb' on one side.

Parstelin, Stelabid and Stelazine Tablets: Now monogramed "SKF".

# Contributions to Drug Research

#### TRUEMAN WOOD LECTURE IN LONDON

AN expert appraisal of the parts played by the pharmaceutical industry and academic laboratories in the development of new drugs was made by PROFES-SOR ERNST B. CHAIN (professor of biochemistry, Imperial College of Science and Technology) when he delivered the Trueman Wood lecture to the Royal Society of Arts in London recently. The word drug, he said, had acquired almost a derogatory tinge and drug manufacturers were considered "down-right suspect," the picture of vulturelike creatures coming to the mind of many people. He, however, believed that drugs were one of the greatest blessings—perhaps the greatest blessing of our time and shuddered at the thought of having to undergo extraction of a wisdom tooth without a local anæsthetic, or of having a limb amputated without a general anæsthetic. people spoke about the "good old times," he wondered whether they had paused to give those facts considera-

The purpose of the lecture was to see where and how drugs were discovered and developed. What were the relative contributions from academic and in-dustrial laboratories? What, in particular, was the rôle of the pharmaceutical industry? Professor Chain spoke as a scientist who had spent his whole life in academic laboratories, but who had lived since his early childhood in the milieu of chemical industry.

That it was from the academic laboratories (in universities and in pure research institutes) that the really important discoveries had emanated may have been true until the beginning of this century, but it was certainly not true any longer. The speaker hoped to prove that university and industrial laboratories had made equally important contributions, and that the best results had often been obtained in the past, and were likely to be obtained in the future, by the closest collaboration between the two. The deciding factor for success was the quality of the man carrying out the research.

Professor Chain then considered some fields of pharmaceuticals to analyse their origin and development.

#### Mild Analgesics

The two most widely used antipyretics and mild analgesics were phenacetin and aspirin. Both had been developed in an industrial laboratory, that of Bayer. Phenacetin arose from the necessity to find an industrial use for the large quantities of p-nitrophenol which accumulated as a by-product from the preparation of certain dyes, and aspirin was discovered in attempts to produce a salicylic acid derivative that was more palatable and better tolerated than the acid itself. In the field of local anæsthetics, until the end of the last cen-tury cocaine had been exclusively used. It was expensive and addiction forming, and attempts to find a simple synthetic substitute were made, Success had been achieved by Einhorn, of the University of Munich, who had discovered

that derivatives of the simple p-amino benzoic acid had the desired properties. Collaboration between Einhorn and the Höchst Farbwerke resulted in the development of Novocain (procaine). This was the starting point for an enormous amount of work, mainly in industrial laboratories, to find similar or better substances, In 1932, Miescher, at the research laboratories of CIBA, had discovered Percaine, the first long lasting local anæsthetic, with a structure different from that of substances of the procaine type. It was the result of laborious pharmacological and chemical research.

Of general anæsthetics the barbiturates were perhaps the best known and most widely used. The original idea that diethylbarbiturate was endowed with strong hynotic properties had come from a practising physician, von Mehring. The compound had been synthesised by E. Fischer in 1902 and found to possess the predicted properties. That observation had opened up the way for a large-scale industrial attack on this class of compounds, and a host of analogues were synthesised and tested. One, phenylethylbarbiturate, synthesised by scientists of Bayer, had been found effective in epilepsy.

Neuropharmacology The determination of the structure of adrenalin had been accomplished in university laboratories by Abel, Takamine, v. Fürth, and others; it was synthesised in 1905 by Stolz in the laboratories of the Höchst Farbwerke and was thus the first hormone to be synthesised. In 1910 a paper by Barger and Dale had appeared from the Wellcome Physiological Research Laboratories, in which the synthesis of a series of amines, aliphatic and aromatic, were carried out and their pharmacological activity tested. It had become clear that many exhibited pharmacological activity similar to that of adrenaline, and Barger and Dale coined the term "sympathomimetic drugs" for them. Two phar-macologically active constituents of ergot had been isolated in the Wellcome laboratories that had given rise not only to the development of many important drugs, but had also proved immensely important from the theoretical point of view, leading to some of the most important advances ever made in the sciences of pharmacology and neurophysiology. One was histamine, isolated by Barger and Dale, It had been demonstrated by Dale and collaborators, as well as by many other workers, that histamine was released from the tissues in anaphylaetic shock and was responsible for its symptoms. The importance of its discovery for the understanding of allergy could hardly be overemphasised. It led to the discovery by Bovet at the Institute Pasteur of the first histamine antagonist, antergan. A byproduct of industrial research for antihistamines was the discovery of tranquillisers. The second substance obtained from ergot had been acetylcholine, isolated by Ewins on the sugges-tion of Dale. The discovery of acetylcholine as chemical mediator of the parasympathetic system had stimulated a tremendous amount of research designed to synthesise analogues with parasympathomimetic action and to obtain inhibitors to choline esterase, which Dale also had discovered to be produced at the nerve endings.

#### Steroids

In steroid research several aspects had to be considered separately: 1, The recognition of their physiological activity; 2, the isolation and determination of their chemical structure; and 3, their synthesis and the synthesis of their analogues. Recognition of the physiological activity of the two main groups of steroid hormones had been made through physiological and clinical observations by academic investigators and the first successful attempts for the isolation of the estrus-producing hormones from urine and the recognition of its steroid nature had also come from academic laboratories. However, from the beginning, the academic investigators received much assistance from industrial research organisations in their isolation studies which necessitated the extraction and working-up of large quantities of urine. In fact, that work could not have been completed without close collaboration between the two.

As the field of steroids developed, industrial laboratories had become more active in the synthetic field, and soon the overwhelming majority of synthetic steroid drugs originated in them. The speaker specifically mentioned the synthesis of cortisone in the laboratories of Merck & Co. involving thirty-three steps. It may not be realised, he said, that without that synthesis, the development of which had been made at a cost of over one million dollars, the discovery of the physiological effects of cortisone and the whole corticosteroid therapy development which stemmed from it, would in all probability not have been made at all, or certainly would have been retarded for many years. Later the cortisol synthesis could be achieved in only four steps yet, soon after its introduction into medicine, it had been rendered almost completely obsolete by the discovery of prednisone. That was a typical example of one of the professional hazards which drug manufacturers had to face, and to take into account in the price of their products.

One of the greatest advances in raising the standard of health all over the world had been discovery of the vitamins by academic investigators. Their isolation, however, had nearly always required the processing of large quantities of starting material from which only a few hundred milligrams were obtained. For that work, industrial research laboratories were the better suited. Some important vitamins had been discovered, isolated and their structure elucidated exclusively in academic laboratories, e.g., ascorbic acid, riboflavin, nicotinic acid, vitamin K and tocopherol: vitamin  $B_{12}$ , on the



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other hand, had been isolated entirely in industrial research laboratories.

#### Antitrypanosomes and Antimalarials

Ehrlich had found that certain aniline dyes were effective in mice against trypanosomes. However, they had had no curative activity in infections of man and cattle. Further work, mainly in industrial laboratories, had led to the discovery of suramine which revealed itself as a long-lasting and effective prophylactic against human sleeping sickness, but had little effect in cattle. Important progress had been made in the I.C.I. laboratories through the development of antrycide, an effective curative agent in trypanosome infections of horses and cattle. The only effective remedy known until 1926 against malaria had been quinine.

As it had become clear that the chemical constitution of the quinine mole-cule was too complicated to achieve a ready synthesis, concerted attempts had been made in both academic and industrial laboratories, to obtain simpler synthetic products with antimalarial activity, but the three products that had had wide clinical use were all developed in industrial laboratories: pamaquin, mepacrine, and Paludrine. Synthesis and screening had been laborious and expensive, but malaria could now be effectively controlled, justifying all efforts. One development, coming from an industrial laboratory, that had had a profound influence on the eradication of a number of insect carriers of tropical diseases, had been the discovery of DDT, and later gammexane.

Professor Chain then traced the development of the sulphonamides from Ehrlich's dyes to those in clinical use today, all of which had come from industrial laboratories. A corollary, resulting from clinical observations, had been the introduction of carbutamide and tolbutamide, used orally in the treatment of certain forms of diabetes. Another therapeutic development stemming from the sulphonamides was the discovery of the powerful diuretic action of some members of this class of compounds. Discovery of the sulphonamides had been a major triumph of chemotherapy, but it had had a disastrous effect on that section of pharmaceutical industry concerned with the production of antisera against bacterial infections, which was rendered obsolete overnight.

#### **Antibiotics**

The crucial discovery in the field of antibiotics, that penicillin could cure experimental and clinical infection, had been made in an academic laboratory. However, that discovery did not signify that a drug of practical use had become available, the culture method producing only low yields of penicillin. Industrial enterprises with experience in the field of microbiological production methods had developed the biological penicillin production process by submerged fermentation used today. In 1944 Waksman and his colleagues at Rutgers University had isolated streptomycin, later shown by Feldman and Hinshaw to be chemotheutically active in many forms of human tuberculosis, and Merck & Co. had developed a production process. A vast screening effort for new antibiotics had begun, mainly in industrial laboratories, after the discovery of the curative power of penicillin and streptomycin. In the chemical studies of the elucidation of the often complex structures of many of the antibiotics discovered, industrial research teams

had played a prominent part.

The speaker said he hoped to have demonstrated both academic and industrial research laboratories had made contributions of enormous importance to drug research. It was impossible for even the largest academic laboratory to muster the resources of manpower and material available in industry. On the other hand, the industrial laboratory that spent more than a small fraction of its resources on problems of theoretical importance only could not remain an economically viable entity. A small proportion of routine work in an academic laboratory was permissible, and often essential; the proportion of fundamental research which an industrial organisation could afford would depend on its size and profits.

#### Value of Pharmaceutical Industry

The public must understand that the pharmaceutical industry was life saving

and as such fulfilled a public function of great importance. "I cannot visualise how the industrial pharmaceutical research laboratory could adequately be replaced by any other non-industrial structure, and those who wish to abolish it by nationalisation for theoretical reasons, or impede notably its freedom of action, must know that in taking such steps they are conjuring up a major health hazard, much more dangerous than a virulent epidemic. No pharmaceutical industry—no new drugs.

The price structure of any article was complex. To say that a drug was too expensive, had no meaning; the question was in relation to what? To the production cost? To the purchasing power of the buyer? To the value of its

effect?

Concluding, Professor Chain said that drug research and development without the active participation of the pharmaceutical industry was impossible: no doubt, there had been failings and abuses, but he preferred to have an active pharmaceutical industry and life-saving drugs, accepting few abuses, than to have a system in which theoretically no abuses were possible, but which produced no drugs.

#### "LATEST NEWS" IN PHARMACY

#### Lancashire contractors' annual open meeting

THE annual open meeting of chemist contractors of the Lancashire Pharmaceutical Committee, held in Blackburn in June, was given by MR. ALLEN ALDINGTON (a member of Council, Pharmaceutical Society, and a member, Central N.H.S. (Chemist Contractors) Committee), "The latest news in pharmacy." MR. C. NOBLET (chairman, Lancashire Pharmaceutical Committee) introduced Mr. Aldington as a Lancashire pharmacist who had left the county for London in 1927, and congratulated Mr. Aldington on having been recently elected chairman of the London Executive Council. Mr. Aldington commented first on the recent Council elections of the Pharmaceutical Society, and the changes that had occurred in the personnel of the Council over the past six years. That was evidence, he said, of members' increasing interest in Council affairs. His personal position as a member of Council and also of the National Pharmaceutical Union Executive Committee was valuable in promoting the ideals of unity, and he was sure that the future would prove increasingly successful for pharmacy.

The speaker listed ten changes in National Health Service remuneration that had taken place since 1948, and said that the uncertainty they had produced was most unsatisfactory. It was to be hoped that the present negotiations, following on the recent survey, would standardise matters. Mr. Aldington reminded the meeting that all members of the contractors' committee were practising, contracting pharmacists, and it had been their aim to cover all the problems they themselves experienced. It had been said that there was no need for a complete pharmaceutical service because the doctor always carried emergency supplies. He disagreed profoundly with that attitude. The pharmacist had now been recog-

nised as the supplier of the nation's medicine and that privilege carried with it a great responsibility. In the more populous districts it should be possible to organise a service with a pharmacist always on call or, in certain areas, a development of the central pharmacy owned by all the pharmacists in the district. He admitted that there was a problem in country areas, but suggested that modern transport made things easier. The report of the Committee on the General Practice of Pharmacy, he said, posed the following questions: Should the Council enforce the principles of the report through Statutory Committee? thc Should matters of Professional Conduct be enforced through the Statutory Committec? Should rotas and all implications under that heading be enforced? He reminded the meeting of the Council's approach and wondered if the members present agreed. Finally, he mentioned the courses of post-graduate study that had been arranged throughout the country, and made particular mention of the tape recordings, which provided a good nucleus for a discussion meeting where a small number of pharmacists could assemble for that purpose.

Commenting from the floor, members said that if the Minister of Health required a twenty-four-hour service he should pay more for it; all prescriptions for dispensing after hours should be marked "urgent" by the doctor. As the negotiations had been protracted any award should be retrospective to 1961. Asked how many members of Society's Council were at present members of the contractors' committee, Mr. Aldington said that three were members and two deputy members.

The vice-chairman of the Lancashire Pharmaceutical Committee (MR. C. A. RICHARDSON) proposed a vote of thanks to the speaker.

#### TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, AUGUST 7: Most items in the CRUDE DRUGS market were idle during the week because of holiday influences. Prices were barely tested, but two commodities—East Indian NUTMEGS and Cochin GINGER-registered a sharp rise.

In ESSENTIAL OILS the continued weakness of Far-eastern CITRONELLA was the only feature. Formosan oil dropped by one shilling per lb. at origin, and by 1s. 9d. on the spot, with Chinese oil down 2s, in the forward

MERCURY derivatives were reduced in line with the lower value of the metal. THYMOL was down by threepence per lb. New rates for IODOFORM, on the other hand, show an increase of 3s. 9d. per kilo over previous prices,

#### **Pharmaceutical Chemicals**

Ammonium bicarbonate.—B.P. powder £54 10s, per ton; Carbonate, £83 10s, for lump and £87 10s, for powder, All in 1-cwt. free kegs.

AMMONIUM CHLORIDE. — One-cwi, lots B.P. powder, 105s. per cwt.; technical grade, 55s.

AMMONIUM SULPHATE, One-cwt, lots 10d. per lb. for B.P.C. grade.

CHLOROCRESOL.—Pharmaceutical quality,

7s. 7d. per lb. (1-cwt. lots).

Chlorophyll. — Water-soluble, 100 per cent. (medicinal grade), 280s. per lb.; oil soluble, 25s. per lb.

CHLOROXYLENOL, — B.P., 5s, 8d, per lb, for 1-cwt, lots; 5s, 3d, per lb, for 1-ton

GUAIACOLS. — LIQUID B.P.C., 16s. per 1b., for 1-cwt. lots; CRYSTALS, 15s. 9d.; CARBONATE, 18s.

Hypophosphites.—Per kilo:—

Quantity	1 kilo	12.5 kilos	50 kilos			
CALCIUM, B.P.C 1RON, B.P.C	s. d. 17 2 34 10	s. d. 16 1 33 7	s. d, 15 1 32 5			
MAGNISIUM	29 3	28 2	27 2			
MANGANESE, B.P.C.	35 3	33 11	32 9			
POTASSIUM, B.P.C.	23 1	22 5	21 4			
SODIUM, B.P.C	19 2	18 1 {	17 1			

10D0F0RM.—Powder (per kilo), 55s, 3d, in 50-kilo lots; less than 50-kilos, 56s, 9d, Crystals are 6s, 6d, per kilo more,

MERCURY DERIVATIVES.—Per kilo, under 50-kilo lots—ammoniathd mercury, B.P., lump or powder, 51s. 6d.; perculloride, B.P.C., powder, 43s. 9d.; Subchloride, (calomel), B.P.C., 50s. 6d.; oxides, yellow, B.P., 51s. 9d.; red B.P.C., 1949, 54s.

ROCHELLE SALT.—Powder or granulated, 5-cwt, lots or over in kegs, 220s, per cwt.; 1-cwt, 222s, 6d, (bags less 5s.).

SALICYLAMIDE. — One-cwt., 6s. 3d. per lb., 5-cwt., 5s. 11d. SALOL.—B.P.C., 9s. per lb. (1-cwt. lots).

Santonin.—5-kilo lots, 320s. per kilo.

SUI PHOCARBOLATES.—SODIUM PHENOSUI-PHONATE, B.P.C., 1949 (powder) 12s, 10d. per kilo in 50-kilo lots and crystals, 12s, 2d. per kilo. Zinc, B.P.C., 1949 is quoted at the same rate.

TERPIN HYDRATE.—Less than 12½ kilos, 11s. 6d. per kilo.

THEOBROMINE — ALKALOID from 31s, to 36s, 6d, per kilo as to quantity;— CALCIUM SALICYLAIF from 34s, 6d, to 39s, 6d, per kilo; and—sodium salicyl-31s. 6d. to 36s. 6d.

The operations.—12½-ki o lots; alkaloid antifidrous, 32s. 3d. per kilo and B.P., 33s. 3d.; aminophylline, 29s. per kilo, 12½ kilos; 31s. per kilo.

THIOGLYCOLLIC ACID. — Basic rates per lb., 97-98 per cent., 26-lb. packs, 15s.; 75 per cent., 11s. 6d. Ammonium Thioglyper cent., 11s. 6d. Anmonium thioger-collate, 40 per cent. ph 9-3 (24-lb. pack), 6s. 8d.; MONOETHANOLAMINE THIOGLYCOLLATE, ph 9.9, 4 per cent., 9s. 10d. All carriage paid and subject to purchase tax.

THIOUREA.—Technical grade, 1-cwt. lots, 3s. 1½d. per lb.; 10 cwt., 2s. 9½d. per lb.

THYMOL.—One-cwt, lots are 11s. 3d. per

UREA.—Pharmaceutical grade, £59 15s. per ton in 1-cwt. bags non-returnable; technical quality, £41 5s. per ton (4-ton lots).

#### Crude Drugs

ACONITE. — Spot. Spanish napellus, 2s. 9d. per lb.

in bond; August-September shipment, 12s. 1½d., c.i.f.

ALOES. — Spot primes, 235s. per cwt. Shipment, primes, 230s., c.i.f. Curação, spot, 320s.; shipment, 300s., c.i.f.

ANISE. — Chinese STAR, 185s. per cwt., spot, duty paid; shipment, 150s., c.i.f.

ARROWROOT. - St. Vincent, superfine sifted, 1s. 6d. per lb., spot.

BALSAMS. — Per lb.: CANADA: Spot, 19s. 6d. to 22s. 6d. COPAIBA: B.P.C. grade, 10s. 6d., duty paid, PERU: Spot, 8s. 6d., duty paid, Tolu: B.P., from 10s. 9d. to

Belladonna. — Herb, 0.5 per cent. 2s. 3d. per lb., duty paid. Root, testing over 0.5 per cent., 1s. 9d. per lh.

CALUMBA ROOT.—Mozamhique in bond, 85s. per cwt.

Cassia, — Fistula, 105s. per cwt.; lignea (whole), for prompt shipment, 195s., c.i.f.; selected broken, 185s., c.i.f.

CHERRY BARK, — Thin natural, 1s. 8d. per lb.

CHILLIES. - Zanzihar, 170s. spot; shipment, 160s., c.i.f. per cwt, 1 spot, 185s.; shipment, 135s., c.i.f. Mombasa

CINNAMON QUILLS.—Shipment (c.i.f. per lb.), 4 O's, 7s,  $4\frac{1}{4}$ d.; single O, 6s,  $6\frac{3}{4}$ d.; seconds, 5s,  $5\frac{1}{4}$ d.; quillings, 4s,  $10\frac{1}{4}$ d.

DIGITALIS.—Purpurea leaves, 2s. 6d. per

ELEMI.—Spot, 1s. 6d. per lh.; shipment, 1s. 1d., c.i.f.

GINGER.—(Per cwt.) African, spot about 380s. Jamaican No. 3 spot. 760s.; shipment, nominal. Cochin, 290s.; shipment,

HONEY. — (Per cwt.). Australian light amber, 152s, 6d, to 157s, 6d, and medium amher, 147s, 6d, to 152s, 6d. Argentine, 170s. to 172s, 6d.; Jamaican, 150s, to 155s.; Canadian, 165s, to 170s.; Mexican, 155s, to 160s.; all ex warehouse.

KOLA NUTS. - African, 51d, spot and 4\d., c.i.f. (per lh.).

MACE.—Whole, pale blade, 15s. per lh.; shipment, 14s., c.i.f.

MERCURY. — Spot ex warehouse is £58 per flask of 76 lh.

NUTMEGS. — West Indian 80's, 9s. per lh.; defectives, 7s. East Indian for shipment, dearer; 80's, 6s. Id.; 110's, 5s. 9d.; defectives, 4s. Id., c.i.f.

PEPPER.—White Surawak spot, 2s, 10½d, per lh.; shipment, 2s, 8¾d., c.i.f. Black Sarawak spot, 2s, 3½d.; shipment, 1s, 11d, Black Malahar, 320s, per cwt. spot; shipment, 267s, 6d., c.i.f.

SILDS, - (Per cwt.) ANISE, - Spanish, 275s., duty paid. Caraway, — Dutch, 155s., duty paid. Clery.—Indian on spot 192s. 6d.; shipment, 140s., c.i.f. CortanDER.—Moroccan quoted at 62s. 6d., duty paid; new crop, August shipment, offered at 56s., c.i.f. CUMIN.—Cyprian, 167s. 6d.; Indian, 165s.; Iranian, 160s., duty paid; shipment Iranian, 142s. 6d., c.i.f. DILL.—Indian, 80s., spot; shipment, 57s. 6d., c.i.f. FENNEL.—Indian is 125s., spot; shipment, o'd crop, 105s., c.i.f. new crop 110s., c.i.f. FENUGREEK.—Moroccan, 54s., duty paid; new crop for August shipment, 42s. 6d., c.i.f. MUSTARD.—English, 52s. 6d. to 75s., according to quality. according to quality.

SHELLAC.—F.O.T.N., 192s. 6d. per cwt.: No. 1, 207s. 6d.; F.O., 225s. to 275s.

Tragacanth.—No. 1 ribbon about £150 per cwt. No. 2, £140, spot.

Waxes. — (Per cwt.): Bees'.—Dar-es-Salaam, spot, 445s.; shipment, 427s. 6d., c.i.f. Abyssinian, spot, 390s. in bond; shipment, 385s., c.i.f. Candelilla, spot, 465s.; forward, 460s. landed. Carnauba, fatty grey, spot, 290s.; shipment, 267s. 6d., c.i.f.; prime yellow, spot, 810s.; shipment, 790s., c.i.f. 790s., c.i.f.

WITCH HAZEL LEAVES.—Spot quotations are 2s. 9d. per lb.

#### **Essential and Expressed Oils**

BAY. — West Indian about 25s. per 1b. on the spot.

- Case lots on spot from 88s. 6d. per lb. as to ester content.

BIRCH TAR.—Rectified, 8s. per lb.

CELERY SEED. — Quotations are from 116s. per 1b.

CHAMOMILE.—Smalls 640s. per lb.

CHENOPODIUM.—About 35s. per lb. in original containers.

CITRONELLA. — Ceylon spot, 9s. 3d.; shipment, 8s. 10d. per lb., c.i.f. Formosan, 10s. 6d., in bond; August shipment, 8s. 4½d., c.i.f. Chinese, spot cleared; 10s. 6d., 8s. 4½d., August shipment, 8s. 6d., c.i.f.

CLOVE.—Madagascar leaf spot. 7s. 3d. per lh., duty paid; shipment, 6s. 4d., c.i.f. Rectified 87-88 per cent., 12s. Distilled hud-oil, English B.P., 26s. per lb. for 1-cwt, lots.

EUCALYPTUS.—B.P. 5s. 9d. and 6s. 3d, per lb. on spot for 70-75 and 80-85 respectively.

GERANIUM.—Bourbon, 90s, to 100s, per lb. on the spot,

JUNIPER. — B.P.C. 1949 oil is from 13s. 6d. per lb. Juniper wood, from 5s. LIME.—West Indian distilled 48s. per

lb. on the spot. NUTMEG.—West Indian B.P. oil is about 65s. per lb. English distilled., 100s.

Orange.—Floridan sweet oil, 7s, per lb, nominal; shipment, 5s, 3d., c.i.f. South African and Rhodesian, 8s.; West Indian, 10s.; Spanish, 15s. to 17s. 6d., spot.

PEPPERMINT. — Arvensis: Chinese spot, 12s. 6d.; shipment, 9s. 6d., c.i.f. Brazilian spot. 7s. 3d.; shipment, 7s., c.i.f. Piperita: Italian, 48s. to 70s., spot. American from 37s. to 38s. 6d. per lh. as to

PINE. — Pumilionis, 33s. p sylvestris, 9s.; abietis, 15s. to 24s. per

Rue.—Spanish is 23s. 6d. per lh., spot. SAGE.—Spanish, 8s. 6d. per lb.; Dalma-

#### UNITED STATES REPORT

New York, August 6: Purified PAPAIN advanced to \$5 a lb., up 25 cents, while BUCHU rose two cents to 70 cents. Tolu balsam is still quoted at \$4.50 per lb., while the PERU BALSAM is down two cents at 93 cents.

#### NOTES ON NEW MEDICAMENTS

AURACET. — Constituents: Aluminium aceto-tartrate, lead subacetate, polyvinyl pyrrolidone. The metallic compounds have the mildly astringent, soothing and antiseptic properties associated with the soluble salts of lead and aluminium; polyvinyl pyrrolidone has been used as a plasma substitute, and as a vehicle for slow release suheutaneous injections. It is well tolerated by the tissues, and is unlikely to cause sensitisation. Other heavy metal preparations for otitis externa are those containing organically-combined mercury, represented by Penotrane, and with auxiliary substances as in Ototrane, and Tympalgin.

DOME-ACNE CREAM and LOTION. — Constituents: Sulphur, resorcinol monoacetate and hithionol, Sulphur and resorcin have been used for many years in the treatment of aene and other skin conditions: resorcinol monoacetate slowly hydrolyses to release the base, and so has a milder and more prolonged action. Bithionol (thiodi(4-6-dichlorphenol) is a non-irritant bactericide. Other products formulated on a similar basis are represented by Acnil (sulphur, resorcin, cetrimide) and Eskamel (sulphur, resorcin and hexachlorophene).

DORNAVAC.—Constituents: Deoxyribonuelease, also known as dornase. The product is an enzyme derived from beef pancreas, and appears to be a single nuclease. Related products, such as streptodornase, obtained from cultures of hæmolytic streptoeoeei, are mixtures of enzymes, Pancreatic dornase breaks down deoxyribonuelco-protein, and brings about a rapid decrease in the viscosity of purulent secretions, but the breakdown products are of a relatively large molecular size. Streptodornase has an extended action, and the breakdown process is con-

tinued until purine and pyrimidine compounds are formed. Some of those smaller compounds can be absorbed from liquefied secretions, and cause unwanted side-effects. Elase also contains streptokinase (fibrinolysen) and deoxyribonuclease, Other products used for the liquefaction of purulent secretions are represented by Dornokinase and Varidase, which contain streptokinase (an enzyme activator), and streptodornase. Preparations of trypsin, which are also used for their proteolytic action, are represented by Tryptar, Trypure and Parenzyme.

HYPERCAL, HYPERCAL-B. — Constituents: Hypercal contains selected fractions of the alkaloids of rauwolfia; Hypercal-B contains amylobarbitone in addition. Reserpine is the main alkaloid of rauwolfia, and its hypotensive action is well known, but it is stated that the mixed alkaloids are less toxic. Hypercal-B contains a centrally-acting sedative, and is intended as an alternative to Hypercal for use at night. Another preparation of the alkaloids of rauwolfia is Rauwiloid; Raudixin is a preparation of the whole root, and the main alkaloid, reserpine, is available as Serpasil. An isomer of reserpine, with a reduced sedative action is available as Decaserpyl; the demethoxy derivative of reserpine is marketed as Harmonyl, Another compound related to reserpine, and with a more selective hypotensive action, is syrosingopine (Isotense).

1SOTENSE.—Constituents: Syrosingopine. The compound is the 4-carbethoxysyringoyl ester of methyl reserpate, and is thus closely related to reserpine, which is the corresponding 4-methyl derivative. The drug has a more selective hypotensive action than reserpine, and side-effects are less frequent and milder, Syrosingopine is

also known under the name Singoserp, Deserpidine (Harmonyl) and methoserpidine (Decaserpyl), represent other derivatives of reserpine with reduced side-effects.

MEDIHALER-ERGOTAMINE, — Constituents: Ergotamine tartrate and acrosol propellent, The value of ergotamine in the treatment of migraine has been limited by variations in absorption when given orally, and by unwanted side effects. The presentation of the drug as an aerosol permits rapid absorption from the highly vascular and extensive epithelium of the respiratory tract, and eliminates any breakdown of the drug by the digestive system. Attempts to reduce the side-effects of orally-administered ergotamine are represented by Migril (ergotamine tartrate, caffeine and cyclizine), Cafergot suppositories contain ergotamine tartrate, caffeine, belladonna alkaloids and isobutylallyl barbituric acid.

NORLESTRIN. — Constituents: Nor-ethisterone acetate and ethinylæstradiol, Nor-ethisterone is a powerful, orally effective progestogen, and the potency is increased by esterification as the acetate. Those compounds are used in the treatment of functional uterinc bleeding, and the action is augmented by the addition of a small dose of an æstrogen. Anovlar contains similar constituents, but with a higher dose of nor-ethisterone acetate. Other products formulated on a similar pharmaeological basis, but containing different constituents, are Conavid and Enavid.

#### PRINT AND PUBLICITY

#### PUBLICATIONS

#### Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists, ABBOTT LABORATORIES, LTD., Queensborough, Kent. "Penthrane inhalation anæsthetic" (32-p. booklet).

BOOTS PURE DRUG CO., LTD., Station Street, Nottingham, Nivemycin dental tablets . . . prevent post-operative sepsis (4-p. folder).

CAMDEN CHEMICAL Co., LTD., 61 Gray's Inn Road, London, W.C.1: "Cyclospasmol . . . spasmolytic, vasodilator" (pp. 32).

Carlton Laboratories (Southern), Ltd., 2 Norfolk Square, Brighton, Sussex: Hypercal, Hypercal B (eard).

MERCK, SHARP & DOHME, LTD., Hoddesdon, Herts. "HydroSaluric-K . . . the diuretic with potassium."

NICHOLAS LABORATORIES, LTD., Slough, Bucks: "1sotense tablets . . . reduce hypertension and allay anxiety" (card).

Parke, Davis & Co., Hounslow, Middlesex, "Norlestrin... an effective oral progestationalcestrogenic combination" (21-p. booklet).

RIKER LABORATORIES, LTD., Loughborough, Leics: Medihaler crgotamine (card), "Medihaler ergotamine, oral inhalation treatment for migraine and recurrent vascular headache" (12-p. hooklet)

(12-p. booklet).

WARD BLENKINSOP & Co., Ltd., Fulton House,
Empire Way, Wembley, Middlesex: "Auracet
for external otitis" (card).

WILLIAM R. WARNER & CO., LTD., Eastleigh, Hants: "Miscellanea" (diary of events for August with information on Veracolate, Urolucosil and Nardil).

#### COMING EVENTS

Items for inclusion under this beading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

#### Wednesday, August 14

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, cricket ground at the rear of the Saracen's Head hotel, Stratford Road, Shirley, Solihull, Warwicks, at 2.30 p.m. Sports day.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY,

Manchester Pharmaceutical Golfing Society, Hopwood golf club, Hopwood, Heywood, Lancs, Play for captain's prize.

SOUTH LONDON AND SURREY PHARMACISTS' GOLF-ING SOCIETY, Kingswood golf club, Sandy Lane, Tadworth, Surrey, Open Stableford competition.

WORLD VETERINARY CONGRESS AND EXHIBITION, Hanover, Germany, Until August 21,

#### COMMERCIAL TELEVISION

Figures in these columns represent number of appearances of the "spot" during the week,

August 1824	London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel fs.	W.& N.Wales
4711 cau de Cologne	3	3	3	_	—	3	_	_	=	_	_	_	_	_	
Alka Seltzer	6	3	6	3	6	6	_	6	6	6	6	3	6	6	6
Anadin	2	5	5	5	4	3	6	3	4	2	2	2	_	_	_
Andrews liver salt	_	_	_	_	4	_	1	_	1	-	_	—	_	_	_
Anne French products	_	_	_	_	1	_	_	_	_	_	_	_	_		_
Arrid	4	_	-	_	_	2	_	_	_	_	_				
Askit powders and tahlets	_			14	_	_	_	_	—	_	7	_	_	_	_
Beecham pills	_		3	_			3	_	_	_	_	_		_	_
powders	4	4	3	5	4	5	5	5	5	3	5	3	_	_	_
Bisodol	_	_	_	2		_	_	_	—		_	_	_	_	
Carter's liver pills	_	2	_	_	_	3	_	_	_		-		_	_	_
Collo Atomcoll	_		_	_	_		_	5	_	_	_	_	_	_	_
Cuticura products		3	2	2	_	1	_	_	3					_	_
Delrosa rose hip syrup Delsey tissues		2	2	3	2	3	2	6							
Dames oroms	2	1	1	3	2	_	2	1	2	2	1	2		1	1
Dinnefords magnetic		_1	1		1	1		1			1			1	. 1
Divort deman						l		1							
P 111 1 1						1	3								
Page Pauls Cale			3			3	3	_	_			_			_
	4 2	1	3			3			3					_	_
Freezone Freezone		1	1	1	_	_	2			-					_
Commentation	3	4	3	4	3	3	4	3	3	3					
Crons a dimenian valle		_		_4			_4	3	_						
1mmm a	3	1	1	1			_	2	1	1					
Ingram aluming groom	3	3			4	5	_'	2		5					
Vlaanau siranaa	1	1	1		_	-3									
1	1	4	1	_									4		
No. day annual and a second	_	2	_		_								-4		
Madagas tooth south	_	_~	_	_	3	_	3	_	3	_		5			
Magiglaga	_	_		_	_		_	_	_	2	_	_	_	4	
Milk of Magnesia	1	4	1	1	2	1	1	2	1	2	1	2	_	_	_
tablets	1	3	3	_	3	3		3				_	_	_	_
Moorland tablets	1	4	4	_	_	1	1	2	2	2	_			_	_
Mothaks	2	1			_	i			_		_	_	_	_	
Mum deodorants	2	2	2				_	_		_	_	_	_		_
Nair	2	_				_		_	_	_	_	_	_	5	
Phyllosan	2	3	3	_	3	3	3	3	_	_	_	_	_	_	_
Rennies		2	1	5	_	5	3	5	_	_	_	6	_	2	1
Rinstead pastilles	_	_		_	_	1				_	_	_	_	1	
Salvelox first-aid dressings	1	3		_	3	2	_	1	3	3	_	_	_		_
Setlers	3	3	3	3	5	4	4	4	2	3	_	_	_	_	_
Swan Lake bath cubes	3	3	3	_	_	3		_	_	_	_	_		_	_
	,					3									

#### **PATENTS**

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," July 24

Preparation of substituted high molecular weight products. Pharmacia, A.B. 936,039. \[ \alpha\]-anino acid derivatives related to L-phenylala-

nine, Merck & Co., Inc. 936,074.

Imidazole compounds and the manufacture therest. Upjohn Co. 935,776.

Method of producing 2-pyridinealdoxime methochloride. Campbell Pharmaceuticals, 936,062.

Antimicrobial agent M-188, its salts and method of preparation. Abbott Laboratories. 936,049.

Production of 6,8-dithiooctanamides, Pharmaceutical Co., Ltd. 935,962.

Process for the manufacture of unsaturated steroids, CIBA, Ltd. 936,235.

Steroids and their preparation, R. Bellon, 936,224.

17-desoxy steroids and methods of preparing same. American Cyanamid Co. 935,701.

Insecticides containing 1-(41-halophenyl)-1-(41nitrophenyl)-halobutanes and processes for their

preparation, Udina, S.A. 936,084. Fungicidal carbamic acid salts. Farbenfabriken Bayer, A.G. 935,981.

Thiophosphoric acid esters. Rhone-Poulene, S.A. 935,982.

Hydrazino-nitrofurylthiazoles, Abbott Laboratories, 935,983,

Azidoacetic acid ester of penta chlorophenol. Chemische Werke Witten, G.m.b.II, 935,991. Cellulose derivatives, Elgar Laboratorics, 936,229.

Dentifrice compositions. Unilever, Ltd. 935,703. Photocopying and like machines or apparatus. Ozalid Co., Ltd., and A. L. Robertson, 936,221.

Processes of photographic reproduction. Kodak, Ltd. 936,022.

Colour photographic development, Kodak, Ltd. 935.698.

Photographic roll-film camera, Kürbi & Niggeloh Metallwarenfabrik, 936,242-43.

Machine for the development of photographic material in roll form, Agfa, A.G. 936,190.

Method of producing and developing electrostatic

latent images. Commonwealth of Australia, 935.621.

Photographic exposure meters. Kodak, Ltd.

Photographic cameras, Bell & Howell Co. 936,102, Image reproduction, E. I. du Pont de Nemours & Co. 935,627.

British patent specifications relating to the above will be obtainable (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from September 4

#### TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," July 17 Var vaccines for lambs (5)
LAMBIVAC, 844,452, by International Serum

Co., Ltd., London, N.W.7.
For pharmaceutical preparations and substances

all for internal use, but not including medicated

canlectionery (5) AIRBRON, 844,632, by The British Drug Houses, 1 td., London, N.1.

For pharmacentical preparations and substances (5) HEMINEVRIN, 844,697, by A. B. Astra, HEMINEARIN, 844,697, by A. B. Astra, Apotekarnes Kemiska Fabriket, Södertahe, Sweden.

Lar all goods, but not including bandages or any goods of the same description (5)

SERTION, 845,018, by May & Baker, 1 td., Dagenham, Essex,

1 or parasiticide products (5) 1111OS-B 77, 846,716, by Bombrini Parodi Dellino, S.p.A., Rome, Italy.

From the "Trade Marks Journal," July 24 all goods (I)

FIBRINDIN, 841,040, by Ortho Pharmaceutical Corporation, Raritan, New Jersey, U.S.A.

For chemical substances for use in Industry (1) TOPANON, 847,758, by Imperial Chemical Industries, 1td., London, S.W.I.

tor photographic chemicals (1)

H.MPI ATF, 847,932, by Pictograph, Ltd., New Barnet, Herts,

For all goods (3)

MOUSCOLOR, B823,574, by Laboratoires Scientiliques de Neuilly, Neuilly-on-Scine, France. RANELLA, 840,981, by Lewis's, Ltd., Liverpool, I, Manchester, 2, and Birmingham, Device, 843,344, by Kao Soap, K.K., Tokyo, Japan, L'ONGLEX, 847,033, by L'Onglex Laboratories, Ltd., London, S.E.I.

For soaps, perfumes, essential oils, cosmetics, hair lotions and dentifrices (3)

Device with letters YSL, 830,084, by Yves Saint Laurent, A.G., Zug, Switzerland.

For non-medicated lotions for the hands (3) PETICE, 839,667, by P. Fisher & Sons, Lon-

don, S.W.3. For perfumes and non-medicated toilet preparations: cosmetics, talcum powder; soaps and toilet

articles (3) PAGLIERI, B841,129, by Paglieri S.p.A., Alessandria, Italy.

For degreasing liquids and degreasing preparations

ESPONINE, 843,300, by Compagnie d'Applications Chimiques à l'Industrie (C.A.C.I.), Paris, France.

For shaving cream and shaving soap (3) ROLTEX, 845,087, by Munro Jordan, Ltd., Southport, Lanes.

For soaps, perfumes, cosmetics, hair lotions and non-medicated toilet preparations (3)

AFTERGLO, B846,190, by Balfour Laboratories, Ltd., Rotherham, Yorks,

For detergents and preparations for cleaning glass (3)

VITACLEAR, 846,762, by Vitax, Ltd., Ormskirk, Lanes

For non-medicated toilet preparations and cosmetic preparations, all for sale in the United Kingdom and for export to the Irish Republic and the Channel Islands (3)

DREAMFLOWER, 847,032, by Chesebrough-Pond's, Ltd., London, N.W.10.

For polishing and cleaning preparations (3) HYGENOL GLEME, 847,170, by Hygenol Co.,

Ltd., Lecds, 10. For cosmetics for the hair and skin (3)

CONINA, 847,407, by Wynakrin, Ltd., London, N.W.I.

For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, shampoos, soaps and essential oils (3)

PELE-MELE, 847,616, EXCENTRIC, 847,618, by Enver Arif, Neuilly-on-Seine, France,

For all goods for sale in the United Kingdom and for export to the Republic of Ireland and the Channel Islands (3)

PROPHECY, 847,939, WIND SONG, 847,941, by Chesebrough-Pond's, Ltd., London, N.W.10, For laxative pharmaceutical preparations (5)

VACUATTS, 841,644, by Plough Laboratories, Ine., Memphis, Tennessee, U.S.A.

For pharmaceutical and veterinary preparations (5) ARN, 841,892, by Farbenfabriken Bayer, A.G., Leverkusen, Germany,

For pharmacentical preparations in tablet form for use in the treatment of digestive disorders (5) SOBERETTES HANGOVIES, B824,302, by Soberettes, Lid., Bradford, Yorks,

For pharmoceutical preparations and substances, all for internal consumption (5)

Device with words PICKUP'S LIQUIDOSE, 838,994, by International Laboratories, Ltd., Chessington, Surrey.

Far pharmaceutical preparations containing amides for use in the treatment of ocular conditions and diseases (5)

BLEPHAMIDE, B839,974, by Allergan Pharmaecuticals, Inc., Santa Ana, California, U.S.A. For all goods (5)

MAGNACOL, 841,082, by Fraser Chemicals, Ltd., London, S.F.13, GENOLA'EX, 847,503, by Genatosan, Ltd., Longhborough, Leics, NARILET, 847,534, by C. H. Bochringer Sohn, Ingelheim-on-Rhine, Germany, RAUDEMA, 848,510, by Vantorex, Ltd., Loughborough, Leies, IBI ENIN, 848,637, by Boots Pure Drug Co., Ltd., Nottingham, MITRULEN, 848,658, by G. D. Scarle & Co., Skokie, Illinois, U.S.A. VENIL, 838,908, by Arzneimittelwerk Fischer, o.H.G., Buhl (Baden), Germany.

For substances, in the nature of algaecides and bactericides, all for preventing algal growth and bacterial slimes in liquid cooling systems (5)

ALGALEX, 841,307, by Kinnis & Brown, Ltd., London, E.C.2.

For preparations of mineral salts and vitamins, being nutritional additives to animal feeding stuffs (5)

JERNOX. 842,189. Kemovit, A/S., bv Hellerup/Copenhagen, Denmark,

For vaccines (5)

ADLYGEN, 842,441, by J. P. M. Pharmacett-ticals, Ltd., London, S.W.19. For diuretics (5)

OSMITROL, 843,145, by Travenol Laboratories, Inc., Morton Grove, Illinois, U.S.A. For medicated beverages (5)

FUL-O-VIT, B846,022, by Thomas & Evans, Ltd., Brentford, Middlesex.

For pharmaceutical preparations and substances (5)

PABRINEX, 846,246, by Paines & Byrne, Ltd., Perivale, Greenford, Middlesex, ARISOFEN, 847,437, PARISOFEN, 847,439, by Boots Pure Drug Co., Ltd., Nottingham. CAPITUS, 848,621, by West Pharmaceutical Co., Ltd., Hove, Sussex.

For pharmaceutical preparations and substances

for human and veterinary use (5) STAGLOBAN, 847,164, by Behringwerke, A.G., Marburg/Lahn, Germany.

For preparations for killing weeds and destroying vermin; insecticides, pesticides, herbicides and fungicides (5)

AMATIN, 847,832, by Farbenfabriken Bayer, A.G., Leverkusen, Germany,

For insecticides (5)

TRISPOT, 847,912, by Rentokil Laboratories. Ltd., East Grinstead, Sussex.

For veterinary preparations (5)
BACIGRO, 848,232, by Commercial Solvents
Corporation, New York, U.S.A.

For surgical, medical, dental and veterinary instruments and apparatus (10)

VITALOGRAPH, 847,253, by Garthur (London), Ltd., Buckingham, Bucks.

For processed bone and processed bone tissue, all for surgical use (10)

BOPLANT, 847,868, by E. R. Squibb & Sons. Ltd., London, W.I.

For all goods (30)

LAXIM, 845,702, by Spitlers, Ltd., London, E.C.4.

For foodstuffs for animals (31)

THERADIET, 847,405, by Stevenson, Turner & Boyce, Ltd., Guelph, Ontario, Canada, and Reading, Berks.

#### CONTEMPORARY **THEMES**

Subjects of contributions in current medical and technical periodicals.

THE THREE-ROLL MILL, Mechanics of, Amer. J. hosp, Pharm., Junc.

MYCOHACTERIUM TUBERCULOSIS, Increased resistance of, J. Amer. med. Ass., July 6.

RHINOVIRUSES: a description, Science, July 12, PICONAVIRUSES: Classification of nine new types. Science, July 12.

MIDICINAL ARSENIC POISONING and lung cancer. Brit, med, J., July 27.

A DITHIOCARBANOYLHYDRAZINE, Inhibition of thyroid function by, Nature, July 20,

CEPHALOSPORINAST. Production of, by monas procyanea, Nature, July 27.

IRON, Reducing agents and absorption of, Nature, July 27.

DIGRADID CARRAGIINAN and experimental acute gastric ulceration in the guinea pig. Nature,

A comparison of the glucogenic effects of some compounds used in the treatment of ketosis. Vet. Rec., July 27,

MITHANDUNONE, Experience with, Vet, Rec.,

HALOTHANI ANT STHESIA. Liver necrosis after.

J. Amer. med. Ass., July 20.
Chloropeist phosphate. Ocular changes with.
J. Amer. med. Ass., July 20.

SMALEPON VACCINATION, Brit, med, J., August 3, VITAMIN A in acne vulgaris, Brit, med, J.,

PENTACHLOROPHENY t DODLCANOATI. A note on the antilungal activity of, J. Pharm, Pharmacol., August.



Quinine Sulphate B.P. 1953 & 1932



THE BRITISH

DYEWOOD COMPANY LTD.

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Glasgow, C.1.





The Trafalgar eampaign lasted just  $4\frac{1}{2}$  hours. The Vietory V action lasts all year round. The big guns of advertising have set the ball rolling. The fiekle English climate will do the rest. So carry on the good work, stockists. England Expects Victory V every month of the year.

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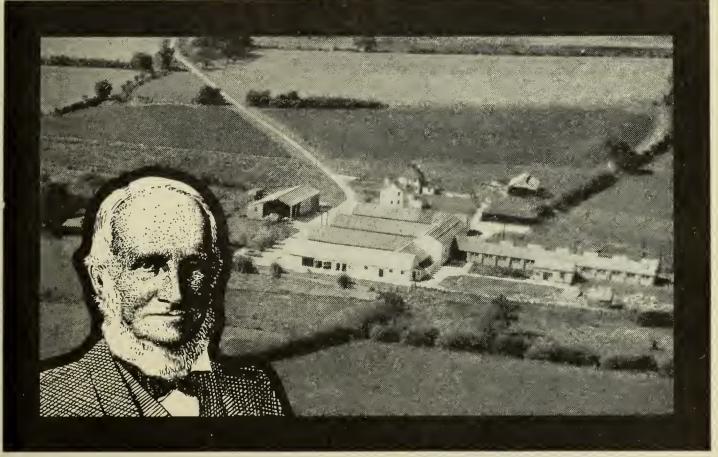
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Ransom's drug-growing farm at St. Ives, Huntingdonshire Inset: William Ransom, founder of the Company

Ever since 1846, when William Ransom started his drug farm at Hitchin, the Company has specialized in cultivating medicinal plants. During that time, drugs and galenicals from Ransom's farm and factory have been produced in ever-growing dimensions. Today, in whatever part of the world they are found, Ransom's drugs and galenicals set the standard in quality, dependability and performance. Let Ransoms quote you when you're next in the market for:

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# Not something you actively sell, or need to sell, but a trusted product which sells itself



Surely, therefore, it is only fair to your customers to discreetly announce the fact that you are a supplier of Family Planning requisites, so that they can be sure you are stocking before they make their purchase.

Please ask for copies
of the booklet
"Modern Family Planning"



# DUREX GOSSAMER

Now in the new 12 pack

Durex Gossamer is the new lubricated protective with the famous name behind it. It answers the problem of reliability with increased sensitivity. In 3 or 12 packs, 3/9 or 15/-.



# One drink attracts all these customers

Trim is the only drink of its kind in Britain. It gives all the enjoyment and refreshing lift of an ordinary soft drink, but is guaranteed sugar-free and contains only 2.8 calories per fluid oz—less than a third of the amount in sugar-sweetened soft drinks. Trim offers a unique opportunity to attract all customers on sugar-free diets, plus many, many more who are calorie-conscious—eager shoppers for an economical and refreshing slimming aid. Ask your wholesaler for full details and terms, or write direct to Strathmore Springs Ltd., Forfar and Manchester.

Suggested retail selling price 1/9d, 3d returnable on bottle.

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Address Box Number Replies to: THE CHEMIST AND DRUGGIST, 28 ESSEX ST., STRAND, LONDON, W.C.2

APPOINTMENTS — 24/- per †" s.c. minimum and pro rata. AGENTS — AUCTION SALES — BUSINESSES FOR SALE and WANTED — CLEARANCES and WANTS — CONTRACTS — MISCELLANEOUS — PATENTS — PARTNERSHIPS — PREMISES — PUBLIC and LEGAL NOTICES — SITUATIONS VACANT. Run-on — 4/- per line (minimum 20/-). Semi-display — 24/- per †" s.c. minimum. Displayed with border rule, larger type faces and blocks — 60/- per s.c.i minimum. Reduced rates for one-third, one-half and full pages on application. SITUATIONS WANTED — 6/- per 18 words minimum, then 4d. per word. Use of Box No. — 2/-. Advertisements received by 4 p.m. Tuesday published same week.

#### **PREMISES**

#### SHOP TO LET-PARLAUNT PARK (PREVIOUSLY LANGLEY AIRFIELD), LANGLEY, SLOUGH, BUCKS

The Slough Borough Council invite applications for a fourteen-years' lease of a new shop at Parlaunt Park for the business of CHEMIST, ready about March 1964, Self-contained maisonette available for personal occupation of lessee, Particulars and application forms from Town Clerk, Town Hall, Slough, Bucks, to whom completed forms should be sent not later than 2nd September, 1963. C 8448

#### BUSINESSES FOR DISPOSAL

CHEMIST'S BUSINESS for sale in Kirk-caldy (owner retiring), Excellent situation in busy main street; good potentiality for expansion. Premises consist of front shop, back shop and cellar (rateable value £48), Feuduty £3, Annual turnover approximately £8,500, of which approximately 70 per cent. is dispensing. Offers invited for property, goodwill and fittings, plus stock at valuation. Further particulars from; Anderson & Menzies, Chartered Accountants, 191 Nicol Street, Kirkcaldy. CHEMIST'S BUSINESS for sale in Kirk-

### **BUSINESSES WANTED**

WELL-ESTABLISHED COMPANY with ex-WELL-ESTABLISHED COMPANY with existing hardware interests wishes to acquire a company manufacturing horticultural fertilisers and/or insecticides for sale to the consumer or to industry. Sales organisation and established outlets essential, Minimum turnover £100,000, All enquiries dealt with in confidence. Write Box C 8277.

# **APPOINTMENTS**

ALTON GROUP HOSPITAL
MANAGEMENT COMMITTEE
Dispensing Assistant
Applications are invited for post of Dispensing
Assistant at LORD MAYOR TRELOAR
HOSPITAL, Alton, Hants, Apothecaries'
Hall Certificate preferred, Whitley Council
Conditions of Service, Applications with
names and addresses of two referees to the
Group Secretary at the above address, C 5430

#### CITY GENERAL HOSPITAL, SHEFFIELD, 5

Post-graduate Pharmaccutical Student required for one year. This post, which offers excellent opportunity to acquire experience in all branches of Hospital Pharmacy, will be vacant August/September, the Group Pharmacist will give any further details required. Applications giving full details of age, education, etc., together with names of two referees should be addressed to the Deputy Group Secretary.

C 8439 Group Secretary.

# BARNET GENERAL HOSPITAL, WELLHOUSE LANE,

WELLHOUSE LAND,
BARNET, HERTS
Part-time Pharmacist
required 20 hours per week, Applications to
Hospital Secretary with names of two referees.
C 8464

# BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2

Locum Pharmacist
required immediately, Salary £19 19s, per
week, Apply to the Hospital Secretary.

# CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

for holiday relief duty in the hospitals of the Group, 12th August to 28th Sept, inclusive, Salary 19 gns, p.w. Apply to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road, London, E.2. C 634

# DULWICH HOSPITAL, EAST DULWICH GROVE,

LONDON, S.E.22
Dispensing Assistant
required. Salary according to age and qualification. Apply Chief Pharmacist. C 8442

# HARTLEPOOLS HOSPITALS MANAGEMENT COMMITTEE Chief Pharmacist Required at HARTLEPOOLS HOSPITAL, HARTLEPOOL

HARTLEPOOL
(Category I)

Salary £855 rising by annual increments to £1,165 per annum. Accommodation available, Applications, stating names of two referees, and giving details of previous experience and qualifications, should be sent to the Group Secretary at the General Hospital, West Hartlepool, as soon as possible.

C 5431

# LEWISHAM HOSPITAL, HIGH STREET, S.E.13 Locum Pharmacist

£19 19s. a week. Apply Group C 637 required. Secretary.

#### HARTLEPOOLS HOSPITALS MANAGEMENT COMMITTEE

Pharmacist Applications are invited for the above vacancy. Salary £725 to £970 per annum. Apply (with names of two referees) to the Group Secretary at the General Hospital, West Hartlepool, as soon as possible. C 5432

# LEWISHAM HOSPITAL, HIGH STREET, S.E.13 Senior Pharmacist

required. Applications stating age, qualifica-tions and experience, and names of two referees to Chief Pharmacist. C 636

#### LEWISHAM HOSPITAL, HIGH STREET, S.E.13

Deputy Chief Pharmacist
category V, Lewisham Hospital, £940 to
£1,260 plus London Weighting allowance.
Applications naming two referees to Group
Secretary, Lewisham Hospital, High Street.
S.E.13

#### MOORFIELDS EYE HOSPITAL

Dispensing Assistant
Applications are invited for the post of Dispensing Assistant, female, Whitley Council salary and conditions of service, Apply, in writing, giving names of referees to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 8451

#### MOORFIELDS EYE HOSPITAL

Locum Dispensing Assistant required immediately, Applications, in writing, to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 8452

# PEMBURY HOSPITAL, PEMBURY, Nr. TUNBRIDGE WELLS

Dispensing Assistant
Applications invited for the full-time appointment of Dispensing Assistant, Whitley Council salary and conditions, Apply stating age, qualifications, experience and names of two referees to Surgeon Superintendent. C 8445

# SOUTH CHESHIRE HOSPITAL MANAGEMENT COMMITTEE Senior Pharmacist

Senior Pharmacist required to assist in Group (Category III) duties, based on BARONY HOSPITAL, NANTWICH, CHESHIRE, Whitley Council terms of service, £810—£1,060 per annum. Please apply immediately, naming two referees, to the Group Secretary, Barony Hospital, Nantwich, Cheshire. C 5434

# STAINCLIFFE GENERAL HOSPITAL, HEALDS ROAD, DEWSBURY, YORKSHIRE Senior Pharmacist Applications are invited for the above post

Applications are invited for the above post now vacant, Salary Scale: £810—£1,060 per annum. This hospital has modern departments offering good experience including small scale manufacturing, Single female accommodation could be provided. Applications giving age, experience and qualifications, together with the names of two referees should be sent to the Administrative Officer at the hospital. C 8456

ST. MARK'S HOSPITAL,
CITY ROAD, LONDON, E.C.1
Dispensing Assistant
(qualified) required immediately in pharmaceutical department, Salary scale £340—£660 per annum, plus London allowance of up to £40 per annum, Commencing salary within this scale according age/experience, Applications to Chief Pharmacist, Telephone; CLE, 8821.

## Appointments—Continued

# ST. LEONARD'S HOSPITAL, NUTTALL STREET, LONDON, N.1

Locum Pharmacist required from 1st September onwards, Applications to Chief Pharmacist. C 642

# SPRINGFIELD HOSPITAL. BEECHCROFT ROAD, UPPER TOOTING,

LONDON, S.W.17

Dispensing Assistant
required. Salary without experience £230 at 16 rising to £580, Salary with qualifications £340 at 18 rising to £650, Five-day week. Active Psychiatrie Hospital, Applications giving full details and names of two referees to the Group Secretary, Springfield Hospital.

C 8463

# ST. LEONARD'S HOSPITAL, NUTTALL STREET,

LONDON, N.1
Locum Dispensing Assistant
required immediately, Applications to Chief Pharmaeist.

# THE PRINCE OF WALES'S GENERAL HOSPITAL,

LONDON, N.15 — Category IV
Locum Tenens Pharmacist
required immediately. Application form from

# THE GENERAL HOSPITAL, MOORLANDS ROAD,

DEWSBURY, YORKSHIRE
Pharmacist
Applications are invited for the above post

Applications are invited for the above post now vacant. Salary scale: £725—£970 per annum. This hospital has modern departments offering good experience including small scale manufacturing, Single female accommodation could be provided.

Applications giving age, experience and qualifications together with the names of two referces should be sent to the Administrative Officer at the hospital.

C 8457

# THE PRINCE OF WALES'S GENERAL HOSPITAL, LONDON, N.15 — Category IV Senior Pharmacist mporary or permanent, required. Sala

remporary or permanent, required, Salary scale £810/£1,060 p.a., plus London Weighting, Additional allowance for higher qualifications. Application form from Secretary,

# **EDUCATIONAL**

LONDON COLLEGE OF PHARMACY AND CHEMISTRY FOR WOMEN

7 Westbourne Park Road, W.2 Established 1892

The only College in S.B. England teaching exclusively for the Assistantin-Dispensing Examination of the Society of Apothecaries. Enrolling now for six months' full-time course for Student Dispensers under 1956 Regulations, 82 per cent, Examination successes in 1960. C 404

# SITUATIONS VACANT RETAIL (HOME)

CHEMIST COUNTER ASSISTANTS, ladies, required for London E.C.1 and N.1. Highest salary paid in exchange for experience and loyalty. Apply in writing: Managing Director, Kendale Chemists, 51 Lxmouth Market, E.C.1.

LOCUM DISPENSER required for rural general practice in Essex from November 13th to December 10th, Accommodation available, Box C 5441.

# SITUATIONS VACANT WHOLESALE



# MEDICAL REPRESENTATIVE

based on CORK and LIMERICK

If you want.....

- the opportunity to use your ability and initiative with a Company where these qualities are appreciated and suitably rewarded;
- the satisfaction of representing one of the most progressive international pharmaceutical companies marketing products of its own original research;
- a job offering real opportunities for promotion; \*

you may be the man (or woman) we need to fill this vacancy.

The position is a challenging one and calls for people with drive and enthusiasm. A pharmaceutical qualification or background will be a distinct advantage but applicants with other suitable academic achievements will be considered.

This is an outstanding opportunity for the right person to join a rapidly growing company. The position carries an attractive salary, plus bonus, a company car, contributory pension scheme and the usual 'large Company' benefits. There is good scope for advancement including opportunities for promotion to appointments abroad.

If you are over 23 years old and would like to be considered for this appointment, please write to:-

> The Personnel Director, Riker Laboratories, Morley Street, Loughborough, Leicestershire

C 8459

# PHARMACEUTICAL DEVELOPMENT

Company is engaged in a programme of expansion and diversification offering unique opportunities in the development of new and varied product formulations. As a result of these activities, we are seeking the services of recently qualified ambitious

# **PHARMACISTS**

who are interested in new product development.

These appointments offer unusual opportunities to obtain the widest possible experience in the application of pharmaceutical techniques to all aspects of development associated with a wide range of products including Ethicals, Agricultural and Veterinary preparations, Proprietaries and Food.

The work involved will satisfy the terms and conditions of Pharmaceutical apprenticeship if required and in all cases there will be considerable scope for advancement to persons having the necessary ability and initiative.

The Company offers a comprehensive range of employee benefits, These include free Pension and Life Assurance Schemes and payment of removal expenses to the general Sandwich area. The salary will be attractive and progressive.

Applications are invited; they should be made to

THE PERSONNEL MANAGER, CONSUMER PRODUCTS DIVISION, PFIZER LIMITED, SANDWICH, KENT.

C 8462

#### SITUATIONS VACANT WHOLESALE



Burroughs Wellcome applications from

#### PHARMACISTS

for posts in their Pharmaceutical Production and Packaging Departments at The Wellcome Chemical Works, Dartford, The posts afford a good opportunity for recently qualified pharmacists wishing to enter industry, Salary paid will be in accordance with qualifications and experience, Applications should be sent to the

Personnel Manager, The Wellcome Chemical Works, Dartford, Kent.

C 8455

ASSEMBLER for drugs and medicinals for hospital orders. Some experience and knowledge of drugs and medicinals an advantage. Good salary and conditions, Apply: Biorex Laboratories Ltd., 47/51 Exmouth Market, London, E.C.I. TER, 5216,

WORKING CHEMIST wanted modern factory in North-east. Should have wide practical experience of production of high-quality toilet soaps, creams, shampoos and perfumes. Write, giving full details of age, experience and salary required to Box C 5433.

# MERCK SHARP & DOHME



require additional

# MEDICAL REPRESENTATIVES

Are you ambitious and looking for a rewarding career with opportunities for advancement within a leading pharmaceutical organisation? You are invited to apply for a vacancy which occurs in

# NORTH MIDLANDS

Applicants should have a good education—should be a pharmacist OR possess a background in pharmacy and/or medicine, and be in the age group 25-35. Previous experience is not essential as comprehensive training will be given.

# HOSPITAL REPRESENTATIVES

Applications are also invited from EXPERIENCED Medical Representatives for appointment as HOSPITAL REPRESENTATIVES in the following

(1) EAST ANGLIA and ESSEX

(2) NORTH MIDLANDS (based on the Nottingham area).

The Company operates a Pension and Life Assurance Scheme and a car is provided. A good commencing salary will be paid commensurate with age and experience.

Apply: Sales Manager,

MERCK SHARP & DOHME LIMITED, HODDESDON, HERTFORDSHIRE

C 8485

# Geigy

We are proud to present Pharmacists with the opportunity of joining our outstanding representative force.

Hard work, initiative and enthusiasm will be expected, appreciated and rewarded. If you are capable of achieving a high level performance then it is as "Mr. Geigy" that we would say your future is most fully assured.

Initially we would offer you an intensive training course covering all facets of a representative's work. The course is an integration of two vigorous departments—your own professional service department and a research-minded medical department. By the time you make your first call on a doctor you will be confident and competent as a result of the "Training Strength" supporting you at Wythenshawe. Our International Research Organisation is the security of your future. The discovery of Tofranil for the treatment of depression and the discovery of Hygroton bringing a new concept to diuretic therapy, are but two of our major contributions to modern therapeutics. At your interview you will find our assessment intimately concerned with your character and warmth of personality. Generous starting salary, company car and expense arrangements. Naturally, we also have an excellent pension scheme and all other conditions of service are top-class.

Ask your "Mr. Geigy" about the organisation behind him. Vacancies are available in the U.K. for a training course starting in November 1963.

Please send full particulars of your career to date to:

Director of Promotion, Geigy Pharmaceutical Company, Ltd., Roundthorn Estate, Wythenshawe, Manchester, 23

Situations Vacant—Continued

#### SITUATIONS VACANT WHOLESALE

# EXPERIENCED REPRESENTATIVE REQUIRED

REQUIRED

To call on Chemists only in the counties of Glamorganshire, Monmouthshire and Gloucestershire, In addition to a wide range of drugs and pharmaceuticals, the company's products include Wright's Coal Tar Soap/Shampoo and a number of other nationally advertised proprietaries, Applicants should already be calling on Chemists in the area and be based on or near Cardiff, Preference will be given to candidates in the 25/35 age group, A staff Contributory Superannuation Scheme is in operation, The company provides a car and tistual expenses, together with a basic salary, plus commission. All replies will be acknowledged and treated in confidence, Write, giving fullest details of career to date, to Sales Manager, Wright Layman & Umney Limited, 42/50 Southwark Street, London, S.E.1. C 8461

#### **AGENTS**

AGENTS REQUIRED throughout U.K. on commission for nationally-famous baby products, calling on wholesale and retail chemists. Please state area covered and details of products now carried, Box C 5395,

FIRST-CLASS AGENTS WANTED by André Philippe, Ltd., for their expansion programme—ALL AREAS, Applications also invited for agent or full-time representative FOR LONDON, MUST BE TOP CLASS MAN, André Philippe, Ltd., 71/71B Gowan Avenue, Fulham, S.W.6, RENown 2194/2397.

MANUFACTURER seeks wholesale distributors for their safety spectacle holders, Retailing at 1s, 6d, each, Individually packed, with illustration, Sample and showeard free, Guardian Enterprises, 395 Hornsey Road, London, N.19, Archway 1765. C 5412

# AGENTS (OVERSEAS)

ETHICAL manufacturing company are seeking sole agents for their products in many countries of the world. Advertiser would be pleased to hear from overseas firms interested in handling first-class products. Write Box C 5354.

## **AGENCIES**

FIRST-CLASS AGENCY calling on stores, chemists in South-west of England, requires extra lines from perfume/toilet or cosmetic houses, Apply Box C 5416.

## WANTED

CASH FOR CAMERAS!!! Best prices paid for German and Japanese apparatus that has become obsolete or is "sticking." Quantity tinlimited. The Camera Co., 320 Vauxhall Bridge Road, S.W.I. VIC, 5438. C 627

URGENTLY REQUIRED — Azochloramid solution in triacetin 1-500. Anyone with available supplies please contact Box 1403, e/o Streets, 110 Old Broad Street, E.C.2.

WE WHL PURCHASE for cash a complete stock, a redundant line, including funshed or partly finished goods, packing raw materials, etc. No quantity too large, Our representative will call anywhere. Write or telephone: lawrence Idwards & Co., Itd., 6.7 Wellington Close, Ledbury Road, London, W.11 Tel.: Park 3137-8.

#### **BUSINESS OPPORTUNITIES**

A FRFE advertisement for you! SFIVYT polishing cloths, 5 in, x 5 in,, for lenses, condensers and bright metal parts, imprinted with your name and address FRFE, at the low price of £4 10s, nett per gross, Orders, please, to Dept. N.II, The Pullin Optical Co., Ltd., Aintree Road, Perivale, Middlesex C 5411

# PRODUCTION PHARMACIST

A Swiss company of international repute wishes to appoint an experienced pharmacist, preferably under 35, to its Headquarters' Staff in Basle,

The position will entail residence in Basle. A working knowledge of German is very desirable and some knowledge of French would be an advantage.

The successful applicant must have had a wide experience in the compounding and packaging of all types of pharmaceutical products and also some experience in production planning and management. He will act as Liaison Officer between the Basle H.Q. and the manufacturing organisations in affiliated companies in English-speaking countries throughout the world and will pay regular visits to those countries in a consultant capacity.

Applications should be made in the candidate's own handwriting giving qualifications, experience, etc., the names of two referees and also a recent photograph to:—Box C 8446.

A BARGAIN — New Company Registrations £25 complete—all trades, also rapid Company Formation Service, Get "Advantages of Trading as a Limited Company," 3/- post free, Business Economy (Dept, Y/10/AU), 156 Strand, London, W.C.2, TEM, 8377, 2294, 19 Walker Street, Edinburgh, 3, CA1. 1167.

MANLY MAN'S BELT, Nationally advertised "obtainable from chemists," 35/-, Full trade terms, Order by waist size from Manly Co., Manor House, Worcester Park, Sturrey, DERwent 3877.

MANUFACTURING JEWELLERS offer opportunity to increase turnover and profits. Bead necklaces, earclips, etc. Write for wholesale lists. Kopelands, 43 Coolgardie Avenue, E.4.

#### **PATENTS**

THE PROPRIETOR of British Patent No. 791573 is prepared to sell the patent or to license British manufacturers to work theremder. It relates to "Improved Denture Fixative," Address: Boult Wade & Tennant, 112 Hatton Garden, London, E.C.1, C 8447

#### **ACCOMMODATION**

COMMERCIAL TRAVELLERS and others seeking accommodation in all parts should read DALTON'S WEEKLY, every Friday 4d. For 93 years the leading paper for accommodation of all kinds, Send p.e. for free copy. DALTON'S WEEKLY (Dept. C), London, S.W.8.

#### **MISCELLANEOUS**

COHAR FOR CARPETS offer 15%—20% saving, all leading makes, carriage free U.K. Huge saving on Venetian Blinds, Sewing Machines, Typewriters, Parquet Tiles, Furniture, Washing machines, Refrigerators, Lawn Mowers and Power Tools, Showrooms at London, Leicester, Sheffield, Bradford, Leeds, Hull, Middlesbrough, Manchester, Newcastle, Bristol, Hadleigh (S.), Liverpool, Cardilf, Swansea, Aberdeen, Edinburgh, Cambridge, Plymouth, Bournemouth, Brighton, Glasgow, Dundee, Birmingham, Preston, Blackpool and Belfast, Write:—Cohar Distributors, 47 Oswald Street, Glasgow, C.1, Or phone: Glasgow CENtral \$325, Birmingham MID-land \$333, London CHAncery 2345, Manchester CENtral 2321.

#### **TENDERS**

# NOTTINGHAMSHIRE COUNTY COUNCIL

Tenders are invited for the supply of the following goods and articles to various premises within the County for a period of twelve months commencing 1st November, 1963:—

MEDICAL AND SUNDRY SUPPLIES

SURGICAL APPLIANCES AND INSTRUMENTS

NURSING EQUIPMENT AND APPLIANCES, INCLUDING COMMODES AND WHEFL-CHAIRS

RUBBER ARTICLES

SURGICAL DRESSINGS AND

MATERNITY OUTFITS AND PADS

COD LIVER OIL PRODUCTS

DENTAL CONSUMABLE STORES

AND INSTRUMENTS

VACCINE

Further particulars and forms of tender and conditions of contract may be obtained from the County Medical Officer, Shire Hall, Nottinglian, Completed tenders in the envelopes to be supplied should be received by me not later than 10 a.m. on Friday, 13th September, 1963.

A. R. DAVIS,
Clerk of the County Council,
County Hall,
West Bridgford,
Nottingham.
C 8447

# FOR SALE

2 AUTOCLAVES, s/h, offered for sale. One American horizontal, 36 in, x 16 in, diam., and one upright A, & H, 25 in, x 16 in, diam, Viewing any day, including Saturday 9 to 12.

FLEMING & ASHDAY (Surgical) CO., 117 Praed Street, W.2, Tel.: PAD, 6248/9, C 5407

28/20/128

# CUMULATIVE LIST OF AMENDMENTS C.& D. Quarterly Price List JUNE

	2nd Debut (366 Dendre clinical viai		58	3	14	7	8	6	
	4 Way (172 BMCL)	••				·	ŭ		
	cold tablets	$\begin{array}{cc} 12 \\ 24 \end{array}$	21	5 10	5 9	$\frac{1}{8\frac{1}{2}}$	3 5	9	
	Acecoline (49 AF)	24		10	3	0 2	3		
	ampoules 0.10 gm li	n 1 mli 8	57	0	_		6	4	
	0.20 gm in Achromycin (746 Lede	rle)	72	U			•	U	
	capsules 50 mgm	25		10ea	_		10 38	3	TS TS
	250 mgm	16	18	10ea 6ea	Ξ		27	9	TS
		100		10ea	_		166 604		TS TS
	for ear solution	1000	1069	8ea		٠,	004		
		50 nigm		4ea			6	6	TS
	for orai suspension	10 cc ∫							
	1.5 gm intramuscular viai 10	1 oz	6	10ea 4ea	_		10 5		TS TS
	intravenous vial 2.	50 mgm	в	2ea	_		9	3	TS TS
		00 mgm	11	0ea 10ea			16 4	6	TS TS
	olntment 3% 30 mg	1 oz	5		_		7	9	TS
	ophthalmic olntmen	t 1% 6	4 3	4ea 6ea	Ξ		6 5	6	TS TS
	powder sterilised oil suspension 1%								
	10 gm/cc dropper	6 cc 10 cc	1 4	4ca 8ea	_		2 7		TS TS
	paedlatric drops soluble tablets	100 2 oz	25	10ea	_		38	9	TS
	syrup	2 oz 16 oz	6 49	10ea 8ca	_		10 74	3	TS TS
	tablets 50 mgm	25	6	10ea	_		10	3	TS
	250 mgm	16	25 18	10ea 6ea	=		38 27		TS TS
	200 Mgm	100	110	10ea	_		166	3	TS
	troches 15 mgm	1000 $25$	1069	8ea 8ea	_	1	604 4	0	TS TS
	Achromycin, V (746 Le	ederie)							
	capsules 50 mgm	25 100	6 25		=		10 38	9	TS TS
	250 mgm	16	18	веа	Ξ		27	9	TS TS
		100 1000	1069	10ea 8ea	=	1	166 604	6	TS
	pediatric drops	10 cc	4	8ea	_		7 10	0	TS TS
	syrup	2 oz 16 oz	49	10ea 8ea	=		74	6	TS
3	Acriflex (34 A&H)		12	0	_		1	6	
	Actomol (649 ICI)					0			1 (7)
	capsules 5 mgm	$\begin{array}{cc} \dots & 25 \\ 100 \end{array}$	$\frac{60}{216}$	0	15 54	0	8 31		†s4B †s4B
	A (1000 m.t.T.)	500	82	6ea	20				†\$4B
	Aerocoi (1232 T&R) paln relieving spray		36	0	_		5	0	
	Albamycin (1263 Upjo	hn)		0.					mo
	parenteral 500 mgm		21	8ea	_				TS
	Aldis (884 NB) automatic projector	CP8					720	0	
	automatic projector w	XT150	• •	• •		• •	279	6	
	8.5  cm f/2.5  lens s	and							
	slide carrier Alfonal (29 Alfonai)	DP/1	• •	••		• •	330	0	
	evaporated scparated		th	0				4.4	
	vegetable fat, 4 oz	z. 6 oz 8 oz	<b>3</b> 5	2	_			11	
•	scparated milk with								
	vegetable fat Alimex (147 Boots)	16 oz							
3	80 oz								
3	tablets 30		1.4	9	0	£1	0	0	
	Altoids (1152 SK) Ambramycin (894 Nicl	holas)	14	2	3	$6\frac{1}{2}$	2	0	
	capsules 250 mgm	16	18	6ca	_		27 99	9 8	TS TS
		$\begin{array}{c} 60 \\ 250 \end{array}$	$\begin{array}{c} 66 \\ 269 \end{array}$	5ca 2ca	=		403	9	TS
	oral suspension 2.5%	60 mils	6	10ea	_		10	3	TS
e	Auacobin (179 BDH) : Andre Philippe (48 AP								
e	bath crystals, swan dl	lmpie 21							
8	cubes (6)	16							
	3,								

Delete	cream shampoo		11							
	iacquer									
	Master		11	33	0	8	3	4	9	
Insert	perfume " X "		19	10	0	2	в	- 1	6	
Insert	sun tan oil		23	12	Ŏ	3	Ŏ	_ i	9	
	lacquer spray perfum		-8	12	Ŏ	8 2 3 3	ŏ	- i	9	
	perfumed deodorant	-	Ŭ		Ü	•	Ü	•	•	
	spray		25	12	0	3	0	- 1	9	
	scent spray	• •	26	20	ő	3 5	ŏ	,	11	
Delete	soap shaving	• •	106	20	U		U		• •	
Detete	Andrews (976 PS&T)	• •	100							
			4	17	1.1		0			
	liver salt		4 oz	17		4	6	2	4	
			8 oz	28		7	$2\frac{1}{2}$	3	9	
	diabetic		8 oz	32	2	8	01	4	3	
Insert	Anestan (690 Keldon)									†
	Angier (172 BMCL)									•
	emulsion			31	2	7	5	4	- 1	
					10	$1\dot{2}$	61	6	11	
	junior aspirin tablets		50	12	11	3	1		10	
	Junior aspirin valuets	• •	500	72	0		-			
	junior jel	4	tube	20	ŏ	4	9	0	11	
			ube	20	U	4	9		• • •	
	Anoviar (1107 SAGB)		-4h:1a							
	(distributors 973 Pha	rm			**					1 (7)
	tablets	• •	20	5	10ea	_		8	9	†84B
			100	26	3ea	_		39	5	†s4B

# THIS WEEK'S CHANGES AT END OF LIST

	Anscochrome (134 film, colour reve	3 DW)					
	35 mm.	. 20 exp.	• •			23 35	9
	rollfilm 127	36 exp.	• • •		• • •	17	9
	120					19	2
	easiloader $8 \times 20$					79	6
	home processing	kit	11	,		18	6
	Anseps (1152 SK)	4-2-1-1-	17	6	4 4	$\frac{1}{2}$ 2	6
Delete	Antabac (695 TK)						
Income	Anthisan (971 PSI elixir	. 125 mils	28	0		3	6 †s7
Insert	elixir	1 litre	152	0		19	0 †s7
Delete	4 oz and 40 oz	1 11010	102	U			0 151
1700000	Anusol HC (1310	WW)					
	suppositories		93	0	_	_	- TS
	April Violets (1355						
Insert	bath salts		52	0	13 0		7
	bath salt tablets		31	0	7 9	4	6
Delete	bath dusting po		4.0	0	11 0		•
	crystallised Colo		46	0	11 6		9
	perfume 1 oz		79 136	0	$\frac{19}{34}$ $\frac{9}{0}$		6 10
Delete	1 oz		150	U	34 0	19	10
Detete	perfumed Colog		57	0	14 3	8	4
Delete	perrumed corog	1929	٠.	Ü	11 0	·	
100000	Spray Mist	1947	94	0	23 6	13	9
Delete	talcum	. 1908L					
	Aquasan (1467 RH						
	lavatory disinfe		85	6	_	9	6
	Arpege (730 Lanvi						
	toilet water	4 0z	• •			45	0
	Arrowmint (1223	rwc) 8 oz	• •	• •	• •	70	0
	chewing gum	40 pkts	7	7	11		3
	Arvin (438 ER)	40 pass	•	•	11		
	electric shaver	syncro-					
	matic		63	0ea	15 9	ea 99	6
Insert	Ashes of Gardenia						
	bath cubes (6).		16	4	4 1		6
	perfume		22			$\frac{1}{2}$ 3	6
	soap, toilet		46		11 8		6 ½
	talcum		(gro	0	(gross		10
	Astric (74 Astric)		14	0	0 (		10
	"dry-bed"		94	6ea	_	126	0
	spare pads .		15	9ea	_	21	Ŏ
	- Prince Prince						

the most versatile digitalis glycoside

# NOXIN DIGOXIN

BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON



TABLETS • SOLUTION • INJECTION • PÆDIATRIC TABLETS & ELIXIR

2	301	TEEMENT TO THE		
	Atomcoil (287 Coilo)		2728 2729	102 0 25 6 14 11 172 0 43 0 25 1
	Cleaner	20 0 5 0 2 11	crystallised 2770	46 0 11 6 6 9
	capsules 250 mgm 250	75 Oea 18 9ea131 3 †84B	Spray Mist 2747  Bonny Bouncer (436 Evans)	
	Aureomycin (746 Lederle) capsules, 50 mgm 25	6 10ea — 10 3 TS 25 10ea — 38 9 TS	baby's exercise harness Breeze (756 Lever)	43 4ea — 65 0
	250 mgm 16	18 6ea — 27 9 TS	soap bath size 3 doz	33 10 8 3 1 4
	100 1000	110 10ea — 166 3 TS 1069 8ea — 1604 6 TS	Brocade (215 Caldey) eaux de toilette 1 oz T127	86 0 <b>22 0 12 0</b>
	ear solution, 50 mgm vial	4 4ea — 6 6 TS	Insert Bronica (1017 PO) 'S' reflex camera f/2.8	
	ointment, 3%, 30 mgm ½ oz 1 oz	2 10ea — 4 3 TS 5 2ea — 7 9 TS	lens	4697 1
	ophthaimle 1%,	4 4ea — 6 6 TS	Bronnley (194 Bronnley)	
	10 mgm 6× ½ oz syrup 4 oz	13 8ea — 20 6 TS	pre make-up cream Bufferin (172 BMCL) 36	28 10 6 10 3 11
	Auto-Carena (980 Photopia)	20 000	Insert 12	12 1 2 101 1 8
	universal case K7	86 2ea 21 0ea150 3	Cadbury (216 Cadbury) diabetic chocolate	4 7 9 9
	Ayroware (78 AS & Co) rubber gloves	30 0 3 0 3 11	assorted 1 lb	35 4 4 7 3 9 16 6 2 1 1 9
Insert	Ayrton (76 AS & Co)	15 3 — 1 9	almond 1b	18 10 2 5 2 0 24 0 6 0 3 6
Inc.	tablets heart shaped indiges-		Caldey (215 Caldey)	24 0 0
	tion 40	10 8 2 8 1 7	bath essence (fern, lavender, rose, ver-	
	Ayrtosect (78 AS&Co) insect powder	12 0 — 1 6	bena) 1 oz	42 0 10 0 <b>5 8</b>
Dalate	Bablets (485 Fulford)		(No. 1) 1 oz	97 0 24 0 13 6 79 0 20 0 11 0
Delete	Barbevite (1451 BDH)	+64 Δ	(gorse) 1 oz	10 0 20 0
Insert	500 mils	11 8ea †\$4A 40 2ea †48A	lavender sachet card rose sachet card	18 0 5 0 2 6 24 0 6 0 3 0
Insert Delete	20 oz & 80 oz	10 =0	sachet card	24 0 6 0 3 0
	Bathjoys (1037 Reckitt)	20 8 5 0 3 0	California (976 PS&T) syrup of figs	16 2 4 01 2 2
	Bauer (884 NB)	1199 9	Calsimil (179 BDH)	31 8 7 11 4 3
Delete	cine camera 88K Beauty on a Budget (1063 Rim	nmel) existing entries.	tablets 60	34 0 — 4 3 130 0 — 16 3
Insert	Beauty on a Budget (1063 Rimmanti-wrinkle lotion	10 3 2 6 1 6	Camyna (154 B)	
	cicansing milk	10 3 2 6 <b>1 6</b>	tincture 20 mils Capriton (34 A&H) tablets 12	4 3ea 1 1ea 7 6 26 4 6 7 3 10
	deodorant spray stick	10 3 2 6 1 6	Carbopas (54 Antigen)	8 0ea — 12 0 TS
	eye pencils shadow stick	10 3 2 6 1 6	100	15 Oea — 22 6 TS
	cream	10 3 2 6 <b>1 6</b> 10 3 2 6 <b>1 6</b>	250 Caress (1242 Toni)	35 Oca — <b>52 6</b> TS
	face powder	10 3 2 6 1 6	hard-to-hold	51 2 12 9½ <b>7 3</b>
	compressed	10 3 2 6 1 6	acrosol popular puffer spray	26 51 6 71 3 9
	hair lacquer reflil	10 3 2 6 <b>1 6</b>	refill	10 10; 0 10; 0 10 10 10 10 10 10 10 10 10 10 10 10 1
	hair removing cream	10 3 2 6 1 6	tablets 125 mgm 200	34 6ea 8 71ea60 5 †s4B 10 0ea 2 6ea 17 6 †s4B
	hand beauty cream	10 3 2 6 1 6	250	47 6ca 11 10 ea 83 2 †84B
	liquid liner for eyes liquid liner brush	10 3 2 6 1 6 10 3 2 6 1 6	Insert aerosol perfumed	48 2 11 82 7 0
	ilquid make-up	10 3 2 6 1 6 10 3 2 6 1 6	Chibret (276 C&C)	
	mascara block mascara roil-on	10 3 2 6 1 6	argentoproteini 5 %	28 0 7 0 4 1 44 0 11 0 6 5
	nail laequer	10 3 2 6 1 6	nitis . 20% chioransuifa	34 0 — 4 3 †84B
	oatmeal beauty pack	10 3 2 6 1 6	rutin soluble 10% uveline	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	perfume perfumed cologne	10 3 2 6 1 6	Intermedine	184 0 — 23 0 7 7 1 1 7
	rouge compressed	10 3 2 6 1 6	Insert Chiclets (9 ABS)	(20 pkts) (20 pkts)
	ekin moisturiser	10 3 2 6 1 6 10 3 2 6 1 6	Cirotyl (938 PD) suspension 4 oz	34 0 8 6 4 111
	epot clearing cream	10 3 2 6 1 6	80 oz	0 0 0 0
	talcum twin powder puffs	10 3 2 6 1 6	Clearskin (1355 Yardiey)1514 Clovercide (1208 Syn)	0.0
	vitamin ekin food	10 3 2 6 1 6 10 3 2 6 1 6	wcedkliicr triai 4 oz	7 6
	Whitegiow Benbows (506 Gerliardt)		1 pt	20 0
	canker lotion	30 0 7 6 4 0	Codural (248 Charnwood) Colbenemid (837 MSD)	05.0
Delete			tablets 100 Coigate (280 CP)	
Delet	tablets 0.5 gm 250		toilet soap (5)	29 2 7 2 1 11 (10 doz.) (10 doz.)
	Bio-Clear (596 HR) coverfluid 64		Color & Style (597 HCL)	34 0 8 6 4 11
	cream 60	7 6	coltapaste (1155 S&N) zinc and coal tar band-	3 6
	pore lotion 62	5 6	age, B.P.C	30 0 — 3 6
	wash 61	0.0	Comédome (1460 Doine) acne atlek 38 gm	82 0 20 0 11 11
	Blogastrone (117 BPL) tablets 24		Conovid-E (1121 Scarle)	0.0.4011
	100	75 Oca 18 Oca 131 3	Contraband (365 Demuth) (distributors 327 WC)	
	Bisedia (512 GS) 4 oz 8 oz	11 Oea — —	perfume 2 cc	24 0 6 0 <b>3 6</b> 46 <b>3</b> 11 <b>7 6 9</b>
	16 oz 40 oz	21 Oea — —	Delete Cornol (1229 T&C)	40 5 11
	96 oz		Coronet (298 Coronet) camera Commander	52 11
	Bisk-o-Lem (175 BCP) pure iemon juice 19 oz	z 42 7 6 5 <b>4 10</b>	Rapler Mk II	50 9
	Bliss (160 Bliss)	42 0 — —	roll film pan. 828, 127, 120, 620	3 2
	hot water bottle Boncilla (493 Gambles)		Cortico-Gel (324 Crookes) long-acting 80 Lu./mil	tal
	ciasmic pack	18 3 4 7 2 6 18 3 4 7 2 6	5 mils	
	Bond Street (1355 Yardiey)	107 0 26 9 15 7	flashgun 1'0	14 4ea 3 6ea 25 0 20 0ea 4 10ea 34 10
Inser	rt perfinne	86 0 21 0 12 7	Countess Csaky (1463 C194)	
	oz	176 0 44 0 25 8	beauty box 1 02	120 0
Inser	i oz	96 0 24 0 14 0	hand cream 2 oz 8 oz	12 0
2 7,00	perfumed Cologne2784			

	hormone cream 1 oz Jennesse 1 oz	••		31 6 10 6	Insert	Dencien (994 P&M)66 Dentyne (9 ABS)		3 9 7 7	4 7 1 1	2	9
	liquifying cleansing cream 2 oz			9 0	2,,,,,,,		(20		(20 pkts)		
	8 oz 16 oz	• •		28 6 52 6	Delete	Deoxycortone acetate (179) implantation pellets	RDH)				
	Secret 2 oz Sun Gold 2 oz			22 0 15 0		Depo-Medrone (1263 Upjohr 2 mils	n) 36	8ea			TS
	Suprema 2 oz vltamin skln food 2 oz			12 0 16 0		5 mils	91		_	_	TS TS
	Courier (601 HSS) Courier (1169 GS&S)	••	••	10 0		hand and body lotion					
aeti	Crescendo (730 Lanvin)			45 0		plastic bottle18  Dethmor (506 Gerhardt)	514 50	) 6	12 4	7	9
	tollet water 4 oz			45 0 70 0			lb 32 lb 63		=	48 95	0
	Cullingford (331 Cof C) existing Cullingford (331 Cof C)				Insert	warfarin 5 conc 4	lb 125	4ea		188	0
	basket of fruit salad bubble bath	$\begin{array}{ccc} 72 & 0 \\ 17 & 0 \end{array}$	$\begin{array}{cccc} 17 & 6 \\ 4 & 2 \\ 2 & 6 \end{array}$	10 6 2 6 1 6		Detigon (452 FBA)					
	lemon soap	10 2				linctus 4			6 0 6 0ea	42	6
	bath gems series	6 11	1 8	1 0	Insert	Dowdawn (918 Or-Lem) squashes	18	8 8	2 10		
	Amalfl Berkeley	80 9 51 6	19 8 12 7	11 9 7 6		whole orange drink  Diamond (333 Cupal)	18	8 8	2 10		
	Caprl Dorchester	74 0 135 0	18 0 32 11	10 9 19 6		foot powder	22	3		2	6
	Mayfair Minor	107 0 20 8	$\begin{array}{ccc} 26 & 1 \\ 5 & 0 \end{array}$	15 6 3 0		Dibenyline (1153 SKF) capsules 10 mgm 1			_	20	71
	Napoll Rltz	88 0 74 0	21 5 18 0	12 9 10 9		Dibron (1091 Rybar) 4			6 0	3	6
	Savoy Waldorf	74 0 34 6	18 0 8 5	10 9 5 0		Diconal (208 BW) tablets	25 40	0	_	5	0 talDD
	Christmas tree series Lantern after-shave	01 0	ŭ ŭ				00 120		_		0 †81DD
	lotion bath essence	$\begin{array}{cc} 22 & 0 \\ 24 & 0 \end{array}$	5 4 5 10	3 3 3 6		Kapseals 1	00 70	0	17 6	10	21181
	bath gems	22 0 17 6	5 <b>4</b> 4 3	3 3 2 6	Delete	Dimotane (1071 Robins) poison schedule markings					
	Pixle box lavender glft serles	14 0	* 9	1 9		Direma (378 Dista) tablets 25 mgm 1	00 19	5ea	_	29	11184B
	glft box (A)	48 0 43 0	11 8 10 6	7 3 6 3		50 mgm	00 94	1ea	=	141	1½†84B 1½†84B
	Popeye with cord	36 0	8 9	5 0		1	00 35 00 <b>17</b> 0	4ea	_	53	0 †84B 9 †84B
	Lenny series Lenny coloured	19 6	4 9	2 9		Dixeei (184 Bronco)					
	with face cloth Noddy series	34 0	4 9			tissues		doz)	_	1	0
	Blg Ears handpainted unpainted	19 6	4 9 2 2 4 9	1 3		1		doz)	_	2	9
	Noddy handpainted unpainted	19 6 7 0	4 9 1 8	2 9 1 0		car pack		doz)	-	1	6
	Noddy car hand- painted	19 6	4 9	2 9		men's 1	00 46	6 doz)	_	2	9
	unpainted bubble bath	9 0 39 0	2 2 9 6	1 3 5 6		tollet rolls elngle	33	doz)	_	1	3
	plcture soaps toothpaste	19 6 14 3	4 9 3 6	2 9 1 11		double	30	doz)	_	2	4
	Mr. Plod painted	19 6 9 0	4 9 2 2	2 9		D'lishus (918 Or-Lem)			0 #		
	Sooty series	19 6	4 9	2 9		whole orange	22 22		3 5 3 5	2 2	9
	with face cloth plcture soaps	34 0 14 0	4 9 3 5	4 8 2 0		Doloxytai (413 Lilly) Pulvules	20 64	0	_	8	0 †84A
	shampoo polythene bottle	$\begin{array}{cc} 4 & 11 \\ 28 & 0 \end{array}$	1 2 6 10	9 3 11		1	$\begin{array}{ccc} 00 & 21 \\ 00 & 94 \end{array}$	4ea	=		0 †84A 0 †84A
	toothpaste	14 3 19 6	3 6 4 9	1 11 2 9		Deme (1460 Dome) acne oream tube 28 g			7 7		6
	with face cloth table lamp series	34 0	4 9	4 8		lotlon bottle 57 g medicated cleanser			10 0		0
	bath essence Chelsea lavender	$\begin{array}{ccc} 26 & 0 \\ 26 & 0 \end{array}$	$\begin{array}{ccc} 6 & 4 \\ 6 & 4 \end{array}$	3 9 3 9		jar 112 Domeboro (1460 Dome)	gm 86	0	21 0	12	6
	Eau de Cologne skin perfume	26 0 26 0	6 4	3 9 3 9		tablets dp 24 ×			6 7 9 9 ea	3 1	1
	Cussons (338 Cussons) Imperial Leather	20 0				Dor (563 Hampshire)	27		6 10		9
lete	soap bath giant	17 0	4 1 2	2 6		Dornavac (837 MSD)			0 10		
	Cutex (493 Gambles) basecoat	17 8	4 6	2 5		combination package  Dubarry (391 Dubarry)	20	0ea	_	30	U
	cutlcle remover	17 8 17 8	4 6 4 6	2 5 2 5	Insert	(distributors 721 LC)  Duicolax (154B)					
	oll delicate slipstick	17 8 29 2	4 6 7 4	2 5 4 0		tablets 20 pack of 10	20	0ea		30	0
	emery boards	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 6		Durophot-M (1061 Riker) capsules 12.5 mgm		4ea	_		0 †84B
	hand cream, jar	25 6 25 6 14 7	6 5 3 8	3 6 2 0		20 mgm 30	00 49 30 8	0ea	_	12	6 †s4B 0 †s4B
	liquid polish	17 7 17 7	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 5 2 5	,	Duvadiian (324 Crookes)	00 54		_		0 †s4B
	nall flex	17 8	4 6	2 5			50 96		=	12	0 0
	nall white pencil oily polish remover	10 10 17 7	2 10 4 5	2 5		Dylon (816 Mayborn)	50 33	4ea	_	50	0
	orangewood sticks	17 8 17 8	4 6	2 5 2 5		spot dry cleaner Easy-On (234 Cartwright)	22	6	_	2	6
	pearl polish	27 4 17 8	6 10 4 6	3 9 2 5		spray starch aerosol 8		6 3	Ξ		6 3
	strong nail Cutisan (346 Dales)	27 4	6 10	3 9		Edixa (980 Photopla)		o 10ea	— 55 9ea		0
	olntment tube 30 gm	$\begin{array}{ccc} 74 & 0 \\ 74 & 0 \end{array}$	18 0 18 0	10 9	Insert	case E24	15	2ea	3 9ea 21 0ea	26	6 9
	powder tin 80 gm Daimaplast (347 Dahnas)	80 0	20 0	11 8		exposure meter E2-		10ea			
	waterproof dressings	S 6 17 0	_	1 0 2 0		(body only) E23 Edixamat (980 Photopla)		4ea		1741	
	Dalmas (347 Dalmas) air-vent plaster	17 0	_	2 0	1	camera reflex B E19	9 584	2ea	120 7ea 142 4ea¶	018	7
lete	baby cream tube waterproof dressings	13 9	3 5	2 0	Delets	D E20	00 584 78		142 4ea1		7
ete	Dehydrocholin (179 BDH) tablets 20				Delete	Efpa (922 Ortho)					
lete	ampoules all sizes					gel	36	0	_	4	6

Insert	Elastikon (672 Johnsons) elastic adhesive band-					Delete Freezeheat (191 BVF) existing entries Insert Freezheat (191 BVF) vacuum ware	
	age $3 \text{ yd.} \times 2\frac{1}{3} \ln 3 \ln$	46 10 55 4	=		6 6	flasks Colorvac	
	tablets	51 4	12 10		6	23 oz—stoppa-vac C23 6 8ea 8ea 9 7 23 oz—seal-a-vac C24 6 10ea 9ea 9 10 30 oz—stoppa-vac C30 7 3ea 9ea 10 5	
	Endocil (917 Organon)	205 4 10 7ea	51 4 2 Sea		0 6	30 oz—seal-a-vac C31 7 11ea 10ea 11 4 Vax Continental	
Delete	Endografin (1107 SAGB)	20 100	2 000			16 oz—expanda-vac X1 5 Oea Cea 7 2 Vax Lurtavax	
2700000	Enduronyl (2 Abbott) tablets forte 100	35 0ea	_	52	6 †s4B	16 oz—expanda-vac V1 5 2ea 7ea 7 6 36 oz—expanda-vac V3 9 9ea 1 0ea 14 0 jugs	
	En-O-Ge (1166 Southon) glucose tablets 24	9 9		1	·	Standard 16 oz—stoppa-vac J69 6 2ea 8ea 6 11	
Delete	Epidexa (695 TK) all products  Erythrocin I.M. (2 Abbott)					Grecian 16 02—seal-a-vac J70 10 5ea 1 1ea 15 0	
Delete	dlsposable syringe 50 mgm 1 r Esoban (1166 Southon)	nil				Georgian 16 oz—seal-a-vac J71 19 Sea 2 Oea 26 2 stoppers, seal-a-vac	
	calamine with antihistamine 2%	21 2				for 16 oz flasks VA131 14 5 1 6 1 9 23-30 oz VA125 16 8 1 8 2 0	
	4 oz 80 oz wlth ichthyol 2% 4 oz	21 6 27 6ea 21 6				23-36 oz VA136 18 1 1 10 2 3  Fresh Magic (876 MP)  roll-on deodorant 17 2 4 3½ 2 6	
	with coal tar 2% 4 oz	27 6ea 21 6				$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	Eso-Col (1166 Southon)	27 6ea				Froment (600 JH) 28 oz 5 9 Geeps (1152 SK) 17 6 4 4½ 2 6 †	
	cold treatment tablets 12 Eso-Dex (1166 Southon)	21 0	5 3	3	0	Insert junior 17 6 4 4½ 2 6 † Gerisom (97 Bayer)	
	tablets	5 5 <b>24</b> 0ea	41/2		9	tablets 50 9 0ea 2 3ea 15 9 fe4 500 84 0ea 21 0ea 147 0 fe4 64 65 65 65 65 65 65 65 65 65 65 65 65 65	
	vitamin tablets 100 Essules (1166 Southon)	42 0	_	6	6	cine film reversal 16 mm 100 ft	
	Vitamin capsules 60 Estee Lauder (425 ELC)	48 0	_	6	0	Gevapan (508 Geveert) 27, 30, 33 roll films 127, 120, 620	
	sun spree aerosol 6 oz Eugene (431 Eugene)	13 4ea	3 4ca	23	6	No. 36, 120	
	Colorset Delacquer shampoo sachet	17 2 15 6	4 3½ 3 10½		6 9	clne film 16 mm, 100 ft	
	Spring hair mist	(3 doz.) ( 17 2	3 doz.) 4 3½	2	6	hair spray 40 0 10 0 5 11  Go (994 P&M)  spray perfumed7752 24 0 6 0 3 6	
	aerosol 6 oz hand spray	37 6 16 11	$9   4\frac{1}{2}$ $4   3$	2	6	Delete stick perfumed7750	
Delete	refill Evening in Paris (150 Bourjois)	9 9	2 5	1	5	Delete Golden Arrow (1229 T&C) Delete Gonan (179 BDH) ampoules	
	Fabulo (554 Haetam) bouffant curiers advertisement pack	31 8	7 11	4	9	Goya (532 Goya) cedar wood  Insert gel after-shave 34 4 8 7 5 0	
	Fairway (438 ER) after shave lotion .	41 0	10 0		0	Insert chic novelty	
	Feather Finish (1355 Yardley) florentine easc1402	78 0	19 6	11	5	Insert deodorant spray 55 0 13 9 6 0 Golden Girl	
Delete						beauty puff luxury compact 75 8 18 11 11 0 cocktall compact 34 4 8 7 5 0 refill 20 7 5 2 3 0	
	Femfresh (327 WC) deodorant. 9 saehet unit	24 0	6 0	3	6	puffs 8 7 2 2 1 3 cold cream 37 9 9 5 5 6	
	Fenjal (1113 S&B) creme-bath	18 11 94 9	4 9 23 8		6	face powder	
	Feraspartyl (346 Dales) tablets 40	12 2ea	3 0ea		4	Insert head dress 29 2 7 3½ 4 3 lipstick luxury 53 4 13 4 7 9 refill interchange 29 2 7 3½ 4 3	
	Fergora (1439 Strathmore) fruit squashes	17 5	2 7		3*	mousse foundation 41 3 10 $3\frac{1}{2}$ 6 0 nall colour regular . 32 8 8 2 4 9	
	Ferro-Mandets (746 Lederle) tablets 60	ncludes <b>3d</b> fo 60 - 0	or contali		6	shimmering 41 3 10 4 6 0 remover 30 11 7 9 4 6 Insert perfume inhibiture	
	Filon (1320 WP) tablets 100	264 0	_	33	0 †84B	Green Velvet (596 HR)  Delete dusting powder tin 319	
	Ffair (1355 Yardley)	104 Oea			0 †s4B	Guanimycin (34 A&II) 67 0 — 8 4½ te Haemotrans (930 P&B)	4B
	bath oll	$ \begin{array}{cccc} 87 & 0 \\ 107 & 0 \\ 79 & 0 \end{array} $	21 9 26 9 19 9	15	6 7 6	sterile disposable blood transfusion set 56 0 — —	
	erystallised	$\begin{array}{ccc} 141 & 0 \\ 52 & 0 \end{array}$	36 0 13 0	7	0 7	transfer unit l'.B.1 36 0 — — Halex (560 Halex)	
	perfume 4890 ½ oz . 4892 1 oz . 4893	86 0 185 0 308 0	$\begin{array}{cccc} 21 & 6 \\ 47 & 0 \\ 77 & 0 \end{array}$		7 5 1	bath set D632A 61 3 15 4 8 11 Caress beauty care set	
	metered spray 4871 Spray Mist 1847	96 0 101 0	24 0 25 3	14		seat D510 120 0 — 14 11 indles dressing sets	
	perfnme 60		22 7ea	56	0	Balmoral 3-plece E660 150 6 37 7 21 11 Harmony 3-plece E658 136 8 34 2 19 11 4-plece E665 178 6 44 7 26 0	
	Flugen-E (1393 BRL) Influenza virus vacelne slugle dose syringe	7 6ea	deres de	10	0	4-plece E665 178 6 44 7 26 0  Manhattan . E639	
	Foley (1459 Polyglaze)	60 Ocn	_		0	Venlce 3-plece E682 189 0 47 3 27 6 4-plece E683 288 0 72 0 42 0	
	Formacalne (451 F&J)	169 0	16 3	22	6	Delete E636  Delete E675  halrbrush	
Delete	Formacaine (1455 W&Co) Formamint (451 F&J) Formamint (1455 W&Co)					radlal D376 33 9 8 5 4 11  Delete soapfloat F486	
	Freesla (1355 Yardley) bath salt tablets1826	81 0	7 9		6	tollet tray E318 65 0 17 0 9 11 toothbrush battery operated K100 40 6ea 8 8ea 69 6	
Insert	crystallised Cologne . 1870 hair oil 1834 perfume 1890	25 0	$\begin{array}{cccc} 11 & 6 & \\ 7 & 0 & \\ 17 & 0 & \end{array}$	6 4 9 1	1	operated . K100 40 6ea 8 8ea 69 6 body only 34 8ea 8 8ea 60 9 brushes 5 10ea 6 9	
	Perfume 1890 † oz 1891 † oz 1892	79 - 0	19 9 31 0	11 19 1	6	toothbrushes bristle longhead A253 24 0 — 3 0	
Delete	perfumed Cologne 1554 4525		14 3 23 0	-	4	short-head . A263 24 0 — 3 0  Insert Handjoy (485 Fulford) hand cleaner 15 4 3 10 2 3	
	Spray Mist 1847 talcum 1808L	94 0	23 6 11 6	13	9	Hartnell (1376 Hartnell) Insert rouge cream 22 0 5 6 3 3	

	8																
		Heath & Heather (588 H&H) blackcurrant and rose hlp								Jeyes (671 Jeyes) Freshbin dredger	1 ib	11	3			1	3
		pastilics smoking mixture herbal 65	27 11	6	4 0	3	4			Jock (1419 RW&S) all meat	small	39		_		1	1
	Delete	Heaven Sent (596 HR) dusting powder tin 488							•		iarge	(4 d 35		_		1 1	111
	Insert	flask 395 Helena Rubinstein (596 HR)			• •	8	6			kennel pack		(2 d 45				5	0
		beauty casc 43 coverfluid 174				126 10				Johnsons (672 Johns	on)	( <del>}</del> d	ioz)				
	Delete	overnight special 143					-			baby gift box	• •	50 81	0 3	10 16		8 11	8
	Insert	pasteurized special 143				8	0		Delete Insert	baby powder	economy	76 35	8 5	15 8		10	1½ 10
		144 145				13 24				Jordan (327 WC) Jordan (1372 CCL)							
	Delete	slik minute make-up 93 refill 94								toothbrush	adult child	22 16	0	_		2 2	9
ŀ		special 99 refill 100								Kako (667 JCL) hl-jet flashgun	JJ4	205	2ea	50	0ea3		9
	Insert	gilt case 373 special minute make-								SP flashgun	JJ5 JJ7	17 160	2ea 6ea	39	lea2	25 79 1	
		np 55 refill 56				10	6			micro flashgun Kakonet (667 KCL)	<b>JJ</b> 8	11	4ea	2	9ea		9
		golden casc 104 puff 89			• •	19	3			flashgun B-type	JJ3 JJ6	127 106	2ea 10ea	$\begin{array}{c} 31 \\ 26 \end{array}$	0ea <b>2</b> :		9
ı		silk minute make-up . refili			• • •	10	6			Kalzana (451 F&J) Kalzana (1455 W&C	0)						
		lieparin (147 Boots) lujection BP 1000 ln/mil viai 5 mlls	25	0	_	3	2			Kamillocreme (221							
ı		5000 lu/mil vial 5 mils 25000 lu/mil vial 5 mils	60 25	0 0ea	_	7 37	8			Kennomeat (1419 R) meat and liver sm		39	0	_		1	1
		retard 2 mils 6 Heparin (1314 Weddel)	32	0ea		48				lar	ge	(4 d 35	3	_		1 :	11}
		Injection BP 1000 lu/inii viai 5 mils	25	6	_	3	2			Kent (693 Kent) bru		(2 d			,		
		5000 fu/mll vial 5 mlls 25000 lu/mll vial 5 mlls	60 25	0 0ea	_	7 37	6		Insert	complexion	BC2 BC3	8	11ea 11ea	2	1 dea 1 dea	15	6
		Hcparln (930 P&B) Injection BP								nail "Long Grlp" shaving	NP18	18	8ea	4	6ea		6
		1000 lu/mll 5 mlls 5000 lu/mll 5 mils	26 60	0	_	3 7				black handle 50/50 badger and	i bristle C19	31 18	6ea 8ea	7	8ea 6ea	32	6
ı		25000 lu/mll 5 mils Hermesetas (1140 Simmonds)	25	0ea	_	37	6			100% real brist	le C21 KS28	21 8 31	6ea 11ea 6ea	5 2 7	3ea 1½ea 8ea	15	6
ı	Insert	Hermesetas (1000 PPL) ilquid 25 mils	27	0	_	3	0		Insert	tooth	KS29	7	2ea	í	9ea		6
ı		tablets 200 500	24 54	9	_	8	9		Insert	"De Luxe" "Classic"		55 39	4	_		6	11 11
ı	Delete	Hudnut (631 Hudnut) Flatter-Glo 613X Polycolor	33	6	8 4½	4	11			"Wessler" ex-hard		47 52	6	_		5	
1	Delete Delete	Polylock Polywavers								"KB42" Ketovite (930 P&B)		44	0	_		5	8
	Dette	shampoo 'n' set	27 (2 d	6 oz.)	6 10½ (2 doz.)	2	0			tablets	100 500	10 46	0ea 0ea			15 89	0
	Insert	shampoo with eggtnbe Hypercal (228 Carlton)	20	0	5 0	2	11			supplement syrup	1000 100 mils	88 5	4ea 0ea		1	32 7	6
		tablets 60 500	6 47	веа веа	_		_	†s4B †s4B		Kia-Ora (1082 RKO	500 mlls	13	4ca			20	0
ı		Hypercal-B (228 Carlton) tablets 60	7	0ea	_			†84A		squashes Klick (563 Hampshi	re)	23	10	3	7	2	9
Н		Hypon (218 Calule) 500	49	веа	-	- '	-	†84A		aerosoi Knights (756 Lever)	• •	33	4	_		3	9
ı		tablets 10 × 10 Ichthopaste (1155 S&N)	110	0	27 6	1	7	<b>}</b> †		castile soap toilet bath	6 doz. 3 doz.	46 35		11 8	9	1	11 5
П		zinc and ichthammol bandage, B.P.C.	30	0	_	3	6			Kodak (711 Kodak) cameras							
1	Insert	Indibran (175 BCP) .Indlan brandee	12	8	3 2	1				Retlna IF		559 702	0ea 0ea	177	9ea 9 2ea 1	267	
П		Inecto (1028 Rapidol)	21 8	6	5 4		10			Retinette IB	67149	46 352	0lea 7lea		6ea 2ea 8		8
H		Hint of a Tint shampoo Ingram (172 BMCL) shaving lather cream	20	8	2 0 4 11	1				Kodapak cartridge Kodachrome-X fil		16 23	5ea 9ea		1ea 10ea		6
		economy size	30 21	7 3	7 3 5 0}	4 3	3			Ektachrome-X film EX 120, 620 and	n	6	4ea	1	7ea		7
		In Love (1376 Hartnell) hand lotlon HL33	41	0	10 3	6				EX 135 20 exp. EX 135 36 exp.		8 12	5 <del>1</del> 6 <del>1</del> ea	2 3	lea 2ea	14	2
П		perfume HL1 Innoxa (654 Innoxa)	44	6	11 11	6				Kodacolor-X film CX 135 12 exp.		5	1ea	1		8	6
П		dramatic eyebrow pencil	43 34	0 6	10 9 8 7½	6 5	3			CX 135 20 exp. Verichrome Pan		6 2	3ea 4ea	1	7ea 7ea	10	6
ı		refill satin bloom	23 43	0	5 9 10 9	3 6	6			Konica (1017 PO) clne camera 8E					6	36	6
l		vitaliser vitormone cream single	120 120	0	30 0 30 0	18				case FP camera with f/	1.8 lens				15		4 8
U		white mask	180 48	0 8	45 0 12 2	27 7				C886	1·4 lens				17	94 1	
ı		Intimate (1052 Revion) spray 2 oz	120	0	30 0	17	8		Delete	FS camera Lacamex (1091 Rybs	ar)						
И		cream tube 15 gm lpana (172 BMCL)	76	0	19 0	11	1	TS		cream	4 oz 20 oz	15 60	6	4 15	0 6	2	3
		toothpaste	11 19	8 2	2 9 4 7	1 2	8			Lacca Prolessionale (	80 oz	17	6ea	4	4∮ea		8
		1-80-Gel (34 A&H) 200 gm 5 lb	64 43	0 4ea	16 0 10 10ea	8	9			for hard-to-hold ha		35 60	<b>7</b> 0	8 14	8	4 :	9
		tablets 100	40	0ca	10 0e			ts4B		Lady Gay (234 Carty aerosol halr set sup	vrlght)	42	0	10	6	8	3
		vacuum flask								Laevadosin (218 Calmampoules 10 mils		15	2ea	3	9ea		6
		Gold Scai . 16 oz 116 iversai (452 FBA) lozenges 10 mgm . 16	20	0		2	10			tablets	10 25	142	0ea 8ea	35 2	6ea 2 8ea	48	6
	Insert	Jabley (661 Jabley) creme bloc standard	15	0	3 9	2	-				50 250		10ea 8ea	4 20	Sea Sea 1	32 1	
		Jackels (1282 VB)	19	6	4 9		10		Insert	Largactil (971 PSMB syrup		54	0	_		6	9 †84B
		hair cream	16 24	0	4 0 6 0	2 3			Delete	4 oz and 40 oz	2 litres		0ea	_		97	6 †84B

	quick snap baby pants	35	0		4	3			Lucille Gay (102 CB) shampoo. 4 sachet unit	6	0	1	6	1	0	
	Ledercort (746 Lederle)		Ü					7) -1 -4 -	Lustre Creme (280 CP)	v		-		·		
	eye/ear olntment with neomycin z	4	6ea	_	6	9 :	rs	Delete	shampoo jar Mackenzies (493 Gambles)	• • •	• •		• •	• •		
	Ledermycin (746 Lederle)	_						-	smelling bottle, flat	14	7	3	8	2	0	
	capsules 150 mgm 16	18 110	6ca 10ea	_	27 166	9 7	TS TS		handbag	13	4		4	1.	10	
	1000	1069	8ea	_	1604	6			Marcel Rochas (796 MR) Moustache							
	drops 10 mils syrup 2 oz	4 6	8ea 10ea	_	7 10	3 '			after-shave atomiser 4 oz					35	0	
	16 oz	49	8ea	_	74	6 '			eau-de-Cologne atomiser 4 oz					42	0	
	Leichner (749 Lelchner)	30	9	7 8	4	6		Delete	Margoplast (798 Margolis)	••	• •		• •	72	•	
	Lentheric (753 Lentheric)				-			Delete								
	clean-up cream	• •		• •	7 11	6		Dalata	Margo's (798 Margolis)							
	clean-up milk				6	9		Delete Delete	eau de Cologne 8 oz eau de lavande 8 oz							
Insert	eye cosmetic case face powder non splll				29 6	0		Delete	Matey (471 FB)							
	foundation lotlon				6	6		Insert	Matey (893 Nicholas)							
Insert Insert	Finlshing Touch puffs kid glove hand lotlon			• •	7	9			Mavala (664 JS&C) nail polish remover							
1	llpstick				9	Ö			(unctuous)	72	0	18	0	10	6	
	refill refill sliver/gilt	• •			5	6			Medrone (1263 Upjohn)	107	0					mic
	case				5	6			Madibales (1981 Pilver)	127	3ea	_		_		TS
Delete	mascara cream and refill men's range				-	_			Medihaler (1061 Riker) ergotamine complete	17	4ea	_		26		†s1
Delete	after shave powder				-			Incomt	Masson (1458 MIII)	15	0ea	_		22	6	†81
	Onyx after shave lotlon				6	11		1160076	Meeson (1458 MLL) cream jars					2	6	
Delete	Cologne spray				-	_				• •				10	6	
	hair dressing	• •	• •	• •	6 11	11			massager				• •	3	9	
	prc-shave lotion				6	11			Injection refills	• •			• •	2	6	
	skin tonic				11	3			Memento (365 Demuth) (distributors 327 WC)							
	special hand cream			• •	6	6			perfume 2 cc	24	0	6	0	3	6	
	special skin food	• •		• •	9 15	6			Menoroids (1166 Sonthon)	46	3	11	7	6	9	
	Tlara				13				capsules 30	54	0		6	-	-	
Insert	bouquet decanter bubble bath oll	• •		• •	139	3		Insert Insert	1000 5000	$\frac{53}{241}$	4ea 0ea		4ea 3ea	_	-	
	transparent foundation	• •	• •	• •		3		I noen	Mepilin (179 BDH)	271	O( n	00	O( A			
	cream Tweed				6	0		Delete	tablets 25 Meripons (838 MN)							
	perfume replica				15	6			rectal tampons 5	7	веа	_		- 11	3 1	rs
	purse flacon	• •	• •		16 26	6			Metastab (147 Boots) tablets 100	127	3ca	_		169	6	TIS
	l OZ			• •	43	6			Micoren (501 Gelgy)	121	oca			.03	٠	10
	1 oz 2 oz	• •	• •	• •	76 136	6			ampoules 225 nigm/1·5 mil 20	20	0ea	_		30	0	
Insert	pure acrosol				21	0			mii 20	98	4ea	_		147	6	
Insert	bouquet 1 oz		• •		32	6			Milical (451 F&J) slimming blscuits	59	0			4	11	
	bouquet 1 oz 2 oz				12	3				$(1\frac{1}{3})$				7	• •	
	4 oz 8 oz		• •	• •	17 27	6			Mllk of Magnesia (976 PS&T)	16	2	4	01	2	2	
	16 oz				43	6			llquld	31	8	7		4	3	
Insert	nilst		• •		129 17	6			MII-Par (976 PS&T)	17	0	4	Q	2	3	
	bath cubes box of 6				7	6			WIII-Par (970 1 5 & 1)	28	4	7	ĭ	3	9	
	oil, plain or bubbling				6	9			Mlml (900 Norton)	44	9	11	$2\frac{1}{2}$	5	11	
	deodorant, Cologne or				14	0			magle cat	22	6	5	73	3	3	
	stick				12	9			Mini-Sax (430 Eucryl) Tablets 150	8	0	_		1	0	
	dusting powder smali	• •			11				Miss Ayer (852 Molyneux)	Ü	Ü					
Delete	halr mist	• •			11	-6			invisible base rapid cleanser	• •				9	0	
	talcum			• •		11			tonic lotion					9	0	
	Lessma (104 ECM)		6	8 6	11	6			transparent powder transparent rose lipstick					10	6	
	Lifebuoy (756 Lever)	33	0	0 0	**	• • •			Morny (862 Morny)	• •	• •		• •			
	soap bath slze 3 doz	33	10	8 3	1	4			after-shave lotion 621 622					3 5	6	
	Linc-o-lin (763 Lincoln) Linc-o-lin (657 IL)								bath csscnce 445					7	6	
1100076	Linhof (1017 PO)							Delote	bath salts tablets 6 450					3	6	
	tripods Monopod S39				113	4			12 451				٠.	6	6	
	Clampod S49				161	4		Insert	brilliantine solid jar 271					72	6	
	Combl-Standard S69 Combl-U S79				200 226	3			dustling powder 435					7	6	
	Cluc-8 S70				201	5			with puff 431 hand cream 390					10	6	
	Dural-U S139P Special-O S96				403 266	10			perfume flaskette 132					4	3	
	Light Weight Pro., S138				400	2			medlum flask 134 dc lnxe 138					12 63	6	
	De Luxe Studio S168 Mini-Combl S79K				467 211	1			shaving bowl 550					7	0	
	Expert S248				639	0			refill 551 stlck refill 571					3 2	3	
Delete Delete	Special-U S87 Combl-flex S59								skin perfume 195	• •				5	6	
Descer	Lissom (869 Mulr)							Insert	soap visitors diske (6) 512					9	6	
	candies		• •		10	3			talcum tln 600					3	6	
	Lomotil (1121 Searle)								plastle 605 refill 606					7	6	
	liquid 60 mils	86 66	0	21 6 16 6	12	6	†84B		Morphy-Richards (863 MR)							
	. 100		10ea				ta4B		electric blankets Rose Bliss single					79	6	
	Lomupron (114 Benger) cartridges 25	51	0	_		41			donble					112		
	L'onglex (493 Gambles)	91	,			7,1		Delete Delete								
	cutlele remover		10	2 10	1			1700000	halr dryer stand					7	6	
	pollsh liquid, clear/cream pearl		11 10	2 9	1 2			Delete	Mothak (480 Eueryl) fly killer acrosol 10 ox					_	_	
	remover		11	2 9	1			Detecte	Mothaks (430 Encryl)	13	6	_	, ,	1	6	
	Lorexane (649 ICI) head lotion . 50 mils	16	0	4 0	2	41			Mum (172 BMCL) cream	5	10	1	5		10	
	Loxene (563 llampshire)								Oldin	14	1	3	4	2	0	
	shampoo sachet	4	11	1 2	i	8				20	4	4	10	3	0	

Aug	ust 10, 1963 SU	IPPLEM	ENT TO	ТНЕ	CHEMIST AND DRUGGI	ST		7
Aug	deodorant stick	19 4	6 8 <b>2</b>	9	Omy (331 C of C)			/
	for men refill	$\begin{array}{ccc} .35 & 2 \\ 29 & 3 \end{array}$	8 4 6 6 11 4	0	bath essence bijou dimple	29 3 44 0	7 1 10 9	4 3 6 6
	lotion perfumed rollette refill	$\begin{array}{ccc} 22 & 6 \\ 34 & 9 \\ 27 & 7 \end{array}$	8 3 4	3 9 9	small medlum large	$\begin{array}{ccc} 48 & 0 \\ 120 & 0 \\ 240 & 0 \end{array}$	11 8 29 3 58 6	7 0 17 6 35 0
Insert	Mum-Mist body spray	25 0 42 8	5 11 <b>3</b>	6	bath soap guest soap bandbox	$\begin{array}{ccc} 27 & 0 \\ 24 & 0 \end{array}$	6 7 5 10	4 0 3 6
	My 8in (730 Lanvln) tollet water 4 oz			0	sachet boule twin pack	$\begin{array}{ccc} 29 & 3 \\ 60 & 0 \end{array}$	7 1 14 7	4 3 8 9
	Mysteclin V (1176 Squlbb) capsules 12	13 10ea		0 9 TS	Delete glft box A4  Delete Orstrax (920 Orstrax) existing	sizes		
	100 500	110 10ea 534 10ea	<b>—</b> 166	3 TS 3 TS	Insert Orstrax (920 Orstrax) tablets 42 84	43 2 73 5	_	5 0 8 6
Delete	Nair (1003 PP) cream jar 4 oz sachet 2 doz	14 1	3 6 1 1	4	Ortho-Novin (922 Ortho)	116 8	-	13 6
	lotion 4 oz  Natirose Nativelle (1336 WJ&C)	43 0	10 9 6 1		tablets 20 60 500	80 0 212 0 128 0ea	_	10 0 †s4B 26 6 †s4B — †s4B
	dragees 50 Neo-Hydriol (971 PSMB)	60 0	15 0 <b>8</b>	9 †s1	Osbil (971 PSMB) tablets 0.5 gm 6 × 6	18 4ea	_	27 6
	ampoules 10 mils 15 mils	78 0 106 0	<b>—</b> 13	9 <b>3</b>	Insert Oteg (1202 Surface) egg preservative for 100 eggs	27 0	_	2 9
	viscous 10 mils 20 mils Nervone (887 New Era)	$\begin{array}{cc} 64 & 0 \\ 106 & 0 \end{array}$		0 3	250 eggs 1 gall	39 0 25 6ea	_	4 0 30 0
0	tablets	51 4 128 0		6 8	Otodex (1418 Strenol) ear canker cure ½ oz	20 0	5 0	2 11
	Neutradonna (187 BS)	205 4		0	Delete Outdoor Girl (876 MP) existing  Insert Outdoor Girl (876 MP)	68 0 entries	17 0	9 11
î	tablets 60 Neutradonna Sed (187 BS)	50 0		<b>7</b> †87	cover girl stick2016 eyebrow pencil2941	10 4 8 0	$\begin{array}{ccc} 2 & 7 \\ 2 & 0 \end{array}$	1 6 1 2
	powder	66 0 <b>54</b> 0		4 †84A 0 †s4A	propelling2940 klng size2949	17 2 10 4	$\begin{array}{cccc} 4 & 3\frac{1}{2} \\ 2 & 7 \\ 2 & 7 \\ 2 & 7 \end{array}$	2 6 1 6
	New Yorker (1092 Saga) halr spray	<b>24</b> 0	6 0 3	6	eye brush	10 4 10 4	2 7 2 7	1 6 1 6
	moth proofer Nibiol (346 Dales)	20 0	_ 2	6	unit2100 eye shadow cream2946	62 0ea 10 4 10 4	15 6ea 2 7 2 7	1 6
	tablets 60 Nicotinamide (179 BDH)	11 8ea	2 11ea 20	6	pressed 2945 face powder 2010 hair colour	$\begin{array}{ccc} 10 & 4 \\ 17 & 2 \end{array}$	2 7	1 6 1 6 2 6
Delete	amponles all sizes. Nikkorex (1017 PO)				conditioner2084 lacquer2083	17 2 17 2	4 3½ 4 3¼	2 6 2 6
Delets	8 clne camera leather case			4	refill2081 llghtener2085 hand cream2074	10 4 17 2 10 4	2 7 4 3½ 2 7	1 6 2 6 1 6
	leather case				lipstick trial2920 swivel2921	8 0 17 2	$\begin{bmatrix} 2 & 0 \\ 4 & 3 \end{bmatrix}$	1 2 2 6
	camera leather case		4.00	<b>4</b> 6	swivel Selfasta 2929 Sweetheart 2922 Sweetheart Selfasta	51 6ea 10 4	12 10½e: 2 7	a — 1 6
Delets	flash gun B.C.6 flash gun B.C.5			0	mascara block2051	62 0ea 10 4	15 6ea 2 7 2 7	1 6
	Nikon (1017 PO) F Photoinic camera				cream2950 curl-on2953 luxury2954	10 4 10 4 17 2	2 7 4 31	1 6 1 6 2 6
	satin chrome with 50 mm f/2 lens with 50 mm f/1·4 lens			1	molsture cream2061 nail hardener2034	$\begin{array}{ccc} 17 & 2 \\ 17 & 2 \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 6 2 6
	F Photomic camera black fit with 50 mm f/2 lens	nish 	3655	7	nail magic2035 pearl2037 remover2036	$\begin{array}{ccc} 10 & 4 \\ 17 & 2 \\ 10 & 4 \end{array}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1 6 2 6 1 6
	with 50 mm f/1·4 lens Ninona (210 B&C) washing squares	14 0	4483	7	over-30 cream	17 2 10 4 17 2	$\begin{array}{cccc} 4 & 3\frac{1}{2} \\ 2 & 7 \end{array}$	2 6 1 6
nsert	Nivaquine (971 PSMB) syrup 125 mlls	14 0 108 0	— 13	6	2071 2072 pressed powder refill2011	$\begin{array}{ccc} 17 & 2 \\ 24 & 0 \\ 10 & 4 \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 6 3 6 1 6
Delete	Nivemycin (147 Boots)  4 oz	<b>5</b> 9 0	6	e ma	rouge cream2939 dry2038	10 4 10 4	$\begin{array}{ccc} 2 & 7 \\ 2 & 7 \end{array}$	1 6
_	dental tablets 30 Nizo (1017 PO) existing entries	<b>52</b> 0	0	6 TS	shadow stlck	10 4 10 4 10 4	2 7 2 7 2 7	1 6 1 6 1 6
nsert	Nizo (1017 PO) clne camera FA3		0.40	9	tonle2060 talcum2077	10 4 17 2	2 7 4 3½	1 6 2 6
	chest pod Norlutin-A (938 PD)	••	65	8	velour puffs (two) 2018  Owbridges (925 Owbrldge)	13 8 10 4	3 5 2 7	2 0 1 6
	tablets 30 100 500	10 0ea 30 0ea 135 0ea	<b>— 45</b>	0 †84B 0 †84B 6 †84B	lung tonic	18 <b>4</b> 31 8	4 7 7 11	2 6 4 3
	Norlestrin (938 PD) tablets 20	80 0		0 ts4B	Pacatal (1310 WW) Delete elixir	44 0	11 0	6 11
	100 Nupa-Sal (1154 S&N)	30 0ea	- 46	0 †#4B	Paglieri (1372 CCL) baby tale standard	21 4	5 21	2 11
Velete	Nuvan (262 CIBA)				economy refill Felice Azzura taic standard	40 8 12 2 2 <b>3</b> 3	9 11 2 111 5 8	6 6 1 8 3 2
	aerosol Odo-Ro-No (493 Gambles)	48 0		0	economy refill	44 6 12 <b>2</b>	10 11 2 11	6 1 1 8
	llquld regulator	$\begin{array}{ccc} 12 & 2 \\ 18 & 3 \\ 7 & 4 \end{array}$	4 7 2	8 6 0	Paramisan (1154 S&N) sodlum  Delete pashets 1.5 gm300  Delets tablets 0.5 gm250			
	roll-on perfumed	14 7 31 6	8 0 4	0	Parls Mist (654 Innoxa) skin perfume small	83 0	20 9	12 6
	spray stick unperfumed	$\begin{array}{ccc} 25 & 6 \\ 23 & 8 \\ 18 & 10 \end{array}$	5 11 3 4 9 2	6 3 7	large atomlser	$\begin{array}{ccc} 115 & 0 \\ 122 & 0 \end{array}$	28 9 30 6	17 6 18 6
Pelele	perfumed Okasa (802 Martindale)	20 0		9	Parke-Davis (938 PD)  Delete aspirin compound tablets 1	00		
	Okasa (623 Hormo) Old Cottage (544 Grossmith)		•		Pasif (67 Ashe) travel-sickness tablets 25 Pasinah-D (1303 Wander)	18 0	-	2 3 †
nseri nseri	bath crystals 92 soap, bath (3) 70½ B	$\begin{array}{cc} 48 & 0 \\ 68 & 6 \end{array}$		0	PAS sodium 6 gm + 150 mgm INAH			
	old Spice (1131 Shulton) after shave lotion travel pack 3719	50 6	12 4 7	9	Paterson (637 Hunter) viewers	47 6ea	_	71 3 TS
)elete		37 6	9 2 5	9	pocket 2 × 2 Royal triple lens	Ξ	Ξ	7 6 84 0

8		SUP	PLEN	MEN'	ГТ	0	THE	CHEMIS	T AND	DRUG	GIST	1	Augus	t 10	), 19	963
Insert	Paxima1 (1017 PO) projectors								golden ray		0.45			21 32	0	
1710016	N12 electric N24 de luxe					699 990	6			15	3.17 .			52	6	
	case	• •				99	6			tube 15				106 12	9	
	Paximat S (1017 PO) e Paximat S (1017 PO)	xistlng e	ntrles						mascara refl mauve plast		4 =0			6 16	0	
1710074	projectors					550	6		mask amnio maskoderm	derm 81	8.11			42 16	0	
				• •	• •	559 779	6		masque irad	lie 81	1.55			16	0	
	case standard dual purpose		• •			60 107	6		masque rose regenoserum	ı, 10 ampoul	6.55 . es			16	0	
Insert	lamp		• •			33	0		sundries,	82	21.70		• • • • • • • • • • • • • • • • • • • •	63	0	
	vlewer				٠.	130	0		wax depil deodorant		1.71 6.71			12	6	
	Payot (Dr.) (664 JS&C) <b>Payo1 (Dr.</b> ) (945 Payot)								soap toile	t slze 86	11.71 .			5	0	
	cream solaire cream demaquiller	291.55 201.12				15 17	9			slze 86	1 50			13 9	6	
	No. 2 herbal for	201.14	• •	• •	٠.	26	3	,	erlactin (837 syrup		4 oz	4 0ea	1 0ea	n 7	0 ts7	7
	sensitive skins	204.11				17 26	6		ersonna (438	1	.6 oz 1	4 6ea	3 716	ea <b>25</b>	43 187	
	stlmulation	204.12 207.11	• •	• •		21	0		blades doub	le edge	5	23 11	6 0	3	6	
		207.12 207.14				32 51	3	Insert E	exposure me					77	0	
	tube	207.52 208.11	• •			12 19	9		cameras					413	3	
	hormone	208.12	• •	• •		26	3		case	e-f/2·8 lens				55	10	
	embryonnaire ultra penetrant	212.11				32	9		case	en f/2·8 lens				446		
		212.12 212.14				61 63	6		Prest f/2-8	8 lens				542 69	11 2	
	tube regenoderm	212.52 215.52				21 21	0		Seven f/2. Seven f/1.	·8 leus				524 679	4 2	
	amnioderm	218.11	• •			72	0		case					55	10	
	pate grise	218.12 231.15	• •			105	6		case	Vf·2lens				1171 71	3 2	
	geelee camphese	236.55 238.53				21	0			V11 f 1 8 len				1629 95	3	
	No. 3 vanishing dry skins	261.11				13	3		8 clne case					439	6	
		261.12				16	6		8 Zoom		•			1074	2	
	tube greasy skins	261.52 262.11				9 13	3		case earon (1021 S		•	•		68	7	
	tube	262.12 262.52				16	6		universal at	omlser	2	6 9	6 8	3	11	
	normal skins	263.11				13	3 6	Insert	henergan (97) clixir	1 PSMB) 125	mils 2	8 0	_	3	6 †s7	7
	tube	263.12 263.52				16	3	Delete			ltres 3		_	46	9 †87	
	frambolse	268.12 268.14				18 34	6	P	hensedyl (971	PSMB)		•				
	cream hydrianc stlmulation with	269.23				27	9	Insert	linctus	125 2 li		6 0 0 0ea		60	6 †87 0 †87	
	hydroseve	272.11				21	0	Delete F	hllips (977 PI	4 oz & 4 E)	0 oz					
	tube	272.12 272.63				32 12	3		electric blan	ket EA:	121 <b>5 9</b> 1225 12			a166	0	
	"Tayane" tube	277.72 275.74				27 21	3			EAT	1214 7	5 9ea	18 6ea	1119	6	
	creme satln	279.52 279.72			•	12 21	9	Delete			1224 10 1223	6 6ea	26 Oes	1166	0	
	cream rouge	426.71 292.24				11 21	0	Delste	hand hair di	$egin{array}{ccc} &  ext{EA1} \  ext{ryer} &  ext{HK} \end{aligned}$		4 4ea	10 10ea	69	11	
	creme fluide compressed face power	le <b>r</b>	• •						hose & alr hood	-dlffuser HK		5 4 es		a 40	0	
	refill in mauve plast	535. <b>7</b> 0 lc	• •			16	6		stand	HK4	1102	8 8 <u>∓</u> ea	11ea	a 12	6	
	case refill puffs, six	534.80 533.80				12 16	6		hood hair dr stand	HK4	1112 2	9 4ea	2 11ea		0	
	contour lip pencil	487.70				21	0	-	Superjet home barber		7920 7 78 <b>64</b> 2	9 11ea 6 7‡ea		126	0	
	refill eyebrow pencils	489.80 406.70	• •			5	0	P	hillshave (977	7 PE)						
	contour pencils refills	409.70 408.80				21 6	0	Delete	floating head battery mod		7860 9 7779	8 3ea	24 Oes	1155	0	
	eye shadow	421.71 422.70	• •			11 21	0	Delete Delete	Ladyshave standard	7	7780 7918					
	face powders	521.11				16	0	Detree	battery mod	lel	7930 7	1 4ea	17 5ea	112	6	
		521.12 432.71		• •		21 11	0		Envoy with	floating heads?	7960 10	9 4ea	26 Sea	172	6	10
	gel bronzer llpstick, germinal inte	293.55 r-	• •		• •	21	0	P	hotopia (980 camera 66		P1 6	0 2ca	14 9ea	105	0	
	change refills cases, empty	481.80	• •			6	6		case		P2 2			36	6	
	plain gold metal							P	lico (983 Plico electric blan							
		485.70				21	0		Celebrity	single 1	1867 5 1368 6			79	6	
	No. 1 stlinulation to	oulc							Popular sl	ingle 1	1167 6	3 2ea	15 4ca	99	6	
	with hydroseve					19 31	6		d	ouble 1	2467 7 1168 9	3 Sea	22 9es	1119	6	
		102.17				61	6		3 Favourite		2468 10 1267 4			172	6	
		111.13				19	6			3-heat 2	2367 5 1268 5	5 6ea		67	6	
		111.15 111.17				31 61	3		albert	3-heat 2	2368 7	1 5ea	17 4ca	1112	6	1
	No. 3 sensitive skin					19	6	9	vibratory liocin (938 Pi	massager 1 D)	1056 5	3 3ea	13 Oea	64	0	M
		116.15 116.17				31	3 6		ampoules		6	4 Oea		6	0 †s4	1
	hydrainnlotlque tor	nlc			• •				(1 unlt/ml		30 1	7 10ea	_	26	9 †84	I
		118.13 118.16	• •			42 66	0		(10 units/r	nll) 0·5 mlls	12 1		_	16	0 †84 6 †84	
	amnloderm	119.73 121.13				42 16	6				50 8 100 7		_	66 114	6 †84 0 †84	
		121.15				22	9			- 1 mll		s 8ea	=	6	6 †84 6 †84	1
	astringent	126.13				19	6				50 4	2 8ea	=	64	0 184	1
	bleue tlred eyes	126.15 131.13	11	• •		31 16	6			vlal 5	mlls 8	8ea 4 4ea	=	121	0 †84 6 †84	
	speciale obstinate	131.15		• •		22	•		chewing gum	40 p	okts	7 7	11		3	
	acne	141.13 141.15				21 33	0	Delete	leniron (695 T	ľK)						1
								2000								N

	nata (1000 No. 11)				D.I.d. Domite (202 District) and discounted a
	Poise (1355 Yardiey) deodorant1540 Polaroid (989 Polaroid)	44 0	11 0	6 5	Delete Regula (980 Photopia) existing centrles  Insert Regula (980 Photopia) cameras
	sunglass clipovers 121,			29 6	L.K.B R24 286 8ea 69 9ea 499 9 case R51 34 2ea 8 3ea 59 6
Delete	Polybrone (2 Abbott) ampoules Polyblonde (721 LC)	37 9	9 51	5 6	Olymatic I
	Polycolor (721 LC) Polyhairset (721 LC)	29 3	7 31	4 3	case R51 34 2ea 8 3ea <b>59 6</b> Sprint R56 114 6ea 28 0ea <b>199 9</b>
	clear tinting	10 4 17 2	2 7 4 3½	1 6 2 6	Sprinty R28 91 8ea 22 3ea <b>159 9</b> Sprinty B R26 160 6ea 39 0ea <b>279 9</b>
4	Polylock (721 LC) Polytint (721 LC)	37 9	15 6 9 5 <del>1</del>	8 11 5 6	Sprintic R57 183 4ea 44 9ea 319 9 Sprintomatic R25 240 8ea 58 9ea 419 9
	Polywavers (721 LC) Ponds (256 CPL) skln fresh	31 0 27 3	7 9 6 10	4 6 3 9	case R58 31 6ea 7 10ea <b>55 1</b> flashgun PF1 ln case R32 18 6ea 4 6ea <b>32 3</b> electronic varlant S R29 163 8ea 39 11ea <b>285 5</b>
	twin stick  Potensan (830 Medo)	21 3	5 4	2 11	viewer with bulb R27 84 0ea — 126 0
	tablets forte		• •	† <b>s</b> 4B	Delete Regulette (980 Photopia) existing entries Insert Regulette (980 Photopia) camera Prontor 125 R52 126 0ea 30 9ea219 9
	Potter & Moore (994 P&M) Apple Blossom				250S R44 16 4ea 30 3ea279 9 case R58 31 6ea 7 10ea 55 1
	bath cubes 141 frosted fragrance 142	18 10 24 0	4 9 6 0	2 9 3 6	Resochin (452 FBA)  Insert tablets
	perfune 143 talcum powder 140	37 8 20 0	9 5 5 0	5 6 <b>2 11</b>	Revion (1052 Revion)  "blush on" with brush 342 9 85 8 42 0
Delete	Blue Heaven	18 10	4 9	2 9	sun bath tanning spray 99 6 24 10 14 6 Ribena (103 BF)
	bath cubes 141 frosted fragrance 142 perfume 143	24 0 37 8	6 0 9 5	3 6 5 6	Insert blackcurrant pastlles 2 doz 34 3 5 1 2 0  Delete 3 doz
Deleto	talcum powder 140	20 0	5 0	2 11	Rikospray (1061 Ricker)  Delete benzoeaine both sizes
Delete Delete	Carefree bath cubes 420				Rinoxin (506 Gerhardt) concentrate 4 oz 52 0 — 6 6
Delete Delete	frosted fragrance 491				1 lb 148 0 — 18 6 7 lb 73 4ea — 110 0 14 lb 140 0ea — 210 0
0	Gold Brocade bath cubes 141	18 10	4 9	2 9 3 6	28 lb 266 8ea — 400 0 56 lb 523 4ea — 785 0
	frosted fragrance 142 perfume 143 talcum powder 140	24 0 37 8 20 0	6 0 9 5 5 0	3 6 5 6 2 11	112 lb 1000 0ea — 1500 0 readimix 1 lb 40 0 — 5 0
Delete Delete	bath cubes 193	20 0	5 0	2	3 lb 88 0 — 11 0 7 lb 176 0 — 22 0
Detero	fcrn, muguet, gar- denla, beauty)				14 lb 25 4ea — 38 0 28 lb 48 0ea — 72 0
2	Spring Dawn bath cubes 141	18 10	4 9	2 9	56 lb 90 0ea — 135 0 112 lb 166 8ea — 250 0
	frosted fragrance 142 perfume 143	24 0 37 8	6 0 9 5	3 6 5 6	Rolac (1462 Rolac) hair drying helmet 915/6 139 6 floor stand
Delete		20 0	5 0	2 11	razor 795 139 6
Delata	fern, muguet, gar- denla) 190				Rose's (1082 RKO) dietetic lime juice 26 oz 32 0 4 10 3 9 orange squash 26 oz 29 6 4 5 3 6
Delete	taleum powder puffer . 191 Potters (992 P&C) pastilles				lemon squash 26 oz 29 6 4 5 3 6 grapefruit squash 26 oz 29 6 4 5 3 6
	antiseptic throat	$\begin{array}{ccc} 13 & 0 \\ 13 & 0 \end{array}$	3 3 3	2 0 2 0	ime juice 26 oz 32 0 4 10 3 9
	giycerlne and black- currant	13 0	1 11	1 11	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	glyccrlne, honey and icmon	13 0	1 11	1 11	non-alcoholic glnger cordial 26 oz 26 9 4 0 3 2
	glycerine of thymol  Pour Monsieur (247 Chanel)	13 0	3 3	2 0	peppermint . 26 oz 26 9 4 0 <b>3 2</b> blackcurrant flavoured . 26 oz 26 9 4 0 <b>3 2</b>
Delete	eau de cologne 1613 4 oz Premier (1229 T&C)	••	••	27 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Pretexte (730 Lanvin) toilet water 4 oz			38 0	Royamycin (971 PSMB)  Delete bacto-sensitivity disks
	Primobolan (973 Pharmethicais)			58 0	Royal (738 Lawson)
	tablets 5 mgm 20	30 6ea	24 0 7 71es		flask         R540         23         8ea         2         4½ea 37         11           R900         26         0ca         2         7ea         42         0   Royal Sweden (1412 Jackel)
	Primoboian Depot Citole (973 Ph	armathlcals	32 0ea		hair brushes  Delete Radial polythene 562
	disposable pack 100 mgm 1	11 4ca 31 0ea	2 10ea 7 9ea		Delete         Styling polythene         0614              bristle mixture         1986         96         0         24         0         13         11
	Prinsan (1006 PI) household disinfectant 8 oz 16 oz	11 9 17 9	_	1 4 2 0	Rumeur (730 Lanvin) tollet water 4 oz 38 0
	Prom (1242 Tonl) roller perm complete	67 01	16 9	9 6	8 oz 58 o Rybar (1091 Rybar) dandruff lotion 4 de oz 30 6 7 9 4 6
	regular	38 10	9 81	5 6	dandruff lotion
1	Pulvogen (502 Genatosan)	7 6ca 26 0	1 10 es	3 10	Sa-fir (244 C&SL) smog mask with
	Purgoids (436 Evans) 25	$\begin{array}{ccc} 17 & 0 \\ 42 & 0 \end{array}$	$\begin{array}{ccc} 4 & 3 \\ 10 & 6 \end{array}$	2 6 † 6 2 †	six spare pads 1 10½ea — — pads only 6 6½ea — —
Delete					25 2 2ca — — — — — — — — — — — — — — — — — — —
Delete	Pycazide (1154 S&N) tablets 100 mgm1000				(distributors 327 WC) perfume 2 cc 24 0 6 0 <b>3 6</b>
	Quick (1273 VG) perfume spray	20 0ea	4 0ea	36 0	2 dr 46 3 11 7 6 9 Sal Antisepticus (491 GB)
Delete	Quinphos (1229 T&C) all packs Rabro (790 Macwiii)				
Insert	Rabro (1091 Rybar) Radian (1023 Radlol)				tabicts 0·5 gm 100 32 0ea — 48 0 †s4B 500 155 0ea — 232 6 †s4B
Delete Delete	massage cream 2 lb 32 oz Radio-Mait (179 BDH)				Sanella (810 Maw) San-belts Sanella (810 Maw)
	jar 1 lb 2 lb	42 0 75 0	_	5 0 8 11	** all nylon 665-06 16 10 1 3 2 3 **Satin (1141 Simpkln) ** razor blades 5 21 4 5 4 2 0
Insert	Red Roses (1355 Yardicy)		13 0	7 7	razor blades 5 21 4 5 4 2 0 (20 pkts) (20 pkts)  Scandal (730 Lanvin)
Insert	bath salts	31 0	7 9 23 6	4 6 13 9	toilet water 4 oz 38 0
Insert	talcum	46 0	11 6	6 9	Schick (1054 R&A) blades stainless double
		204 0	51 0	<b>29 3</b> †87	edge 3 17 4 4 <b>4 2 6</b>

1 0	501	I DENTE.	NI IO IIIL CI	ILMIST AND DROGGIS	rugust 10, 1905
	Schweppes (1109 Sehweppes) fruit squashes 25 oz	30 4	4 6 3 7	6ulpenin V (34 A&H) tablets 100	37 6ea — <b>56 3</b> †84B
	Sebbix (502 Genatosan)	10 0	2 6 1 3	Delete Sulphadiazine (746 Lederle) tabi	
	toilet soap Senpolin (1154 S&N)			Insert suspension 125 mils	48 0 — 6 0 †s4B
Delete	liniment Serogan (179 BDH) anipoules	24 0	6 0 3 6	Delete 4 oz & 40 oz	28 6ea — <b>42 9</b> †s4B
Delete	Setacreme (431 Eugene) Sevana (436 Evans)			Suncrush (1082 RKO) squashes	23 10 3 7 2 9
	soap-free washing tablet	21 0	5 3 <b>2 11</b>	Sunfresh (1082 RKO) squashes	23 10 3 7 <b>2 9</b>
	Seven Seas (176 BCLO) cod liver oil	0.00	2 2	Supavite (172 BMCL) capsules 21	50 0 — <b>5</b> 9
Insert	mint flavour 6 oz 6igmamycin (969 Pfizer)	27 0	3 0	42	91 4 — 10 6
	capsules 250 mgm 16	23 2ea 139 4ea	- 34 9 TS - 290 0 TS	84 Super Plenamins (248 Charnwoo	
	syrup 60 mils	1348 Oca 8 8ca	- 2022 0 TS - 13 0 TS	chewable 60 <b>6upersoft</b> (563 Hampshire)	142 0 — <b>17 0</b>
	Sil-kini (786 Maedonald)	67 6	6 9 7 11	halr spray perfumed  Delete Sustenoid (1229 T&C)	33 4 8 3 <b>4 8</b>
	pads 10	14 6	<del>-</del> 1 6	Swiss Nall (1372 CCL)	00 0 00 0 45 0
Delete	towels 10 Singleton's (1189 SG)	19 0	_ 2 0	nail hardener 6ynandone (649 ICI)	82 0 20 0 13 8
Insert	Singleton's (474 Fordham) 6kin Dew (596 HR)			eream 30 gm ointment 30 gm	132 0 — 18 6 TS 132 0 — 16 6 TS
	6leep-Easy (1466 Niehol) cards		21 6	Syneriac (346 Dales) tin 35 gm	12 4ea 3 1ea 21 7
	Smith Kendon (1152 SK)	12 0	3 0 <b>2 6</b>	Tabac (963 PBP) deodorant roll-on	41 0 10 3 <b>6 0</b>
	pastilles eatarrh Sofos (121 Bibby)	17 6	4 4½ 2 6	Tame (1242 Tonl) creme rinse sachet	5 10 1 5 10
	fabric softener	21 9	<b>— 2</b> 6	Tampovagan (221 Camden)	0 101 1 01 10
	soft Echo (654 Innoxa) cream powder rouge	50 0	12 6 <b>7 6</b>	Delete choleval 1 % Delete fructose 20 mgm	
	Soir de Paris (150 Bourjois) bath cubes (6)3355	19 6	4 10½ 3 <b>0</b>	Delete sodium borate 10% Tan-Kem (1212 Tan-Kem)	
	beauty cream	22 10 26 0	5 8½ <b>3 6</b> 6 6 <b>4 0</b>	syrup 10 oz Tattoo (451 F&J)	20 0 5 0 <b>2 9</b>
	solid3239 Cologne3519	$\begin{array}{ccc} 26 & 0 \\ 35 & 8 \end{array}$	6 6 <b>4 0</b> 8 11 <b>5 6</b>	brush-on mascara	30 10 7 8 4 6
	3518	61 8	15 5 <b>9 6</b>	Tee-Up (438 ER) pre-shave lotion	41 0 10 0 <b>8 0</b>
	face powder3451 hair cream3237	$\begin{array}{cc} 11 & 5 \\ 26 & 0 \end{array}$	2 10 1 9 6 6 4 0	Tenax (1140 Simmonds) tube	50 0 12 6 7 6
	hair spray3232 parfum dc toilette3322	48 8 61 8	12 2 <b>7 6</b> 15 5 <b>9 6</b>	Terra-Bron (969 Pfizer) 120 mills	81 6ea 101ea 55 11 TS
	perfume3411 3412	35 8 61 8	8 11 <b>5 6</b> 15 5 <b>9 6</b>	Terramycin (969 Pfizer) capsules 250 mgm 16	20 8ea — 31 0 TS
	rouge compact3283	22 10 33 0	5 8½ 3 6 8 3 4 9	100 1000	124 2ea — 188 3 TS 1199 2ea — 1796 9 TS
	soap, toilet (3)3345 taleum3356	24 4	6 1 3 9	intramuscular Injection 100 mgm vial	3 8ea — <b>5 6 T</b> S
Incert	Solution 41 (654 Innoxa) Sombrero (665 JS)	51 0	12 9 <b>7 9</b>	Intravenous injection 250 mgm vial	6 11ea — 10 41 TS
1 110016	aerosol spray	51 7 22 4	12 <b>7 7 8</b> 5 5 <b>3 3</b>	500 mgm vlal	12 5ea — 16 71 TS 3 4ea — 5 0 TS
	suntan oll	24 1	5 10 <b>3 8</b>	opthalmle solution	
Insert	Songo (1268 Vandre) travel slekness remedy	18 3	4 7 2 6	25 mgm 5 mlls oral suspension 1.5 gm	4 4ea — 6 6 TS 7 9ea — 11 7 TS
	voyage	54 () 11 7ea	13 6 <b>7 3</b> 2 11ea 1 <b>7 8</b>	paedlatrie drops 1 gm syrup 125 mgm/5 mils	5 3ea — 7 10 TS
	Spray Magic (876 MP) aerosol	37 8	9 5 <b>5</b> 6	tablets 50 mgm 25	7 9ea — 11 71 TS 7 9ea — 11 71 TS
Delets	Spruce (431 Eugene) 8teclin (1176 Squlbb)			100 mgm 25	28 10ea — 43 3 TS 15 3ea — 22 10 TS
	capsules 250 mgm 16	18 6ea 110 10ea	— 27 9 TS — 168 3 TS	100 250 mgm 16	57 5ea — 86 1½ TS 20 8ea — 31 0 TS
D.7.4.	500	534 10ea	- 802 3 TS	100	124 2ea — 186 3 TS
Delete	tablets 250 mgm 1000	18 6ca	- 27 9 TS	soluble 50 mgm 25	8 4ca — 12 8 TS
	100 500	110 10ca 534 10ca	- 166 3 TS - 802 3 TS	topical olutment oz	3 3ea — 4 10 TS 5 9ea — 6 7 TS
Delete	Steclin V (1176 Squibb) all sizes	1069 8ea	— 1604 6 TS	topical powder 3% 1 oz	37 3ea — 55 10½ TS 6 5ea — 9 7½ TS
Insert	Stemetil (971 PSMB) syrup 125 mils	62 0	— <b>7 9</b> †s4B	troches 15 mgm 24 vaginal tablets 100 mgm 10	3 Oca — 4 6 TS 8 2ca — 12 3 TS
Delete Insert	4 oz forte 125 mlls	152 0	— 19 0 ts4B	S.F. capsules 16	21 5ca — 32 11 TS 128 11ea — 193 41 TS
	1 litro 4 oz & 40 oz	90 8ea	— 136 0 †s4B		1245 Oca — 1887 6 TS
Delete	6teradent (1037 Reckltt)	15 0	3 79 2 0	ophthalmic ointment 1 oz	1 1ea — 1 7½ TS 3 6ea — 5 3 TS
	tablets	21 3	3 7 2 2 0 5 2 2 2 10	otle solution Tetracyn (969 Pfizer)	
	6terogyl-15 (1087 Roussel) oral 3	72 0	<b>— 9 0</b>	capsules 50 mgm 100 250 mgm 16	25 10ea — 38 9 TS 18 6ca — 27 9 TS
Delete	Stllboestrol (179 BDH) olntment 1lb			100 1000	110 10ca — 168 3 TS 1069 Sea — 1604 8 TS
2,000	Stings (PP Ltd)	20 0	5 0 <b>3 0</b>	Intramuscular Injection 100 mgm vial	3 4ca — <b>5 0 T</b> S
	sting cream	۵0 0		lutravenous Injection 250 mgm vlai	6 2ea — 9 3 TS
	electronic flashgun . Strenol (1418 Strenol)	-	<b>— 226 6</b>	500 mgm vial	11 Oca — 16 6 TS 4 8ca — 7 0 TS
	concentrate (vet.) 2 oz	53 0	13 3 <b>7 9</b> 23 0 <b>13 5</b>	pacdiatric drops 1 gm syrup 2 oz	6 10ea — 10 3 TS
	5 oz 20 oz	92 0 24 0ea	6 Oca <b>42 O</b>	tablets 50 mgm 100	49 8ea — 74 6 TS 25 10ea — 38 9 TS
	eezema cream (vet.) 1 oz 2 oz	20 0 33 0	5 0 2 11 8 3 4 10	100 mgm 100 250 mgm 16	51 2ea — 76 9 TS 18 6ea — 27 9 TS
	liniment (vet.) 16 oz	16 0ea 24 0	4 0ea 28 0 6 0 3 6	100 1000	110 10ca — 166 3 TS 1069 8ea — 1604 6 TS
	₹ oz	42 0 28 0ea	10 6 <b>8 2</b> 7 0ea <b>49 0</b>	Tetracyn-P (969 Pfizer) capsules 16	18 6ea — <b>27 9</b> TS
Incom	1 gall	38 Dea	o 6ea 66 6	100 1000	110 10ca — 166 3 TS 1009 8ea — 1804 8 TS
insert	Subs-Seal (479 WF) baby beaker . 5B4	9 2	10 1 1 — 1 7	Tetracyn-3 F. (969 Pfizer)	
	mini with plastic ring	12 6		eapsules 16	19 2ea — 28 9 TS 115 0ea — 172 8 TS
	Suba Warma . 1C36 1C43	$\begin{array}{ccc} 5 & 0 \\ 31 & 4 \end{array}$	_ 3 11	1000	1110 5ca — 1665 7} TS
	teething trainers rubber 1038	14 0	- 1 9	Insert suspension 125 mils	48 0 — 6 0 †s4B
	polystyrene . 5A3 silleone . 1C52	$\begin{array}{ccc} 10 & 0 \\ 38 & 0 \end{array}$	— 1 3 — 4 9	Delete 4 oz & 40 oz	28 0ea — <b>42 9</b> †s4B

	Theogardenal (971 PSMB)					White Lies (365 Demuth)
	tablets 10			6	9†s184A 3†s184A	(distributors 327 WC)
	Therapas (1154 S&N)		.Uea	28	9   318474	2 dr 46 3 11 7 <b>6 9</b>
Delete I nsert	Therapy (102 CB)					Woltz (1372 CCL) base coat 23 0 5 8 3 6
	shampoo, sachet Therazid (1154 S&N)	10	0 2	6 1	6	top coat
Delete Delete	cachets 50					eye shadow baton . 43 3 10 7 6 6 lipstick standard . 23 0 5 8 3 6
Detete	Thermona (1154 S&N)		0 6	0 3	6	luxury 36 6 8 11 5 6
	Thram (506 Gerhardt)					thlnner 16 9 4 1 2 6
	Thyrophem (61 APC)	68	0 —	8	6	Woodwards (1346 Woodward) baby powder 14 4 3 7 2 0
	tablets 50 Ting (563 Hampshire)	00 12 1	.0ea —	19	3 †s4B	shampoo 17 10 4 5½ 2 6 nursery cream 17 10 4 5½ 2 6
	shampoo sachet gro	ss 37	0 9	0	5	teething jelly 17 10 4 5½ 2 6 Wright-Fleming (1393 BRL)
	Toledo (654 Innoxa) skin perfume sma		0 20	9 12	6	antigens  Delete rheumatic all sizes .
	atomiser		0 28 0 30	9 17 6 18	6	Yardley (1355 Yardley)
Insert	Tranquilex (248 Charnwood) tablets		0 —	5	9 †s4B	after shave lotion 2058 41 0 10 3 6 0 2059 70 0 17 6 10 3
	Transol (1154 S&N) solution					anti-perspirant for men2040 44 0 11 0 6 5 astringent lotion 1430 44 0 11 0 6 5
	10 m 50 m		0 —	5 10	0 6	bath dusting powder1709 92 0 23 0 13 5 salts tablets1626 31 0 8 0 4 6
Delete	Trentabs (221 Camden) all s		0			assorted
	Trl-Spot (1047 Rentokil) fungicldal spray			3	0	1641 33 0 8 3 4 10 spirit1637 35 0 8 9 5 1
	Utocyl (262 CIBA)			5	0	complexion milk1419 44 0 11 0 6 5
	pessarles (vet.): Uvistat (1305 WB)	20 15	0ea —	22	6 †s4B	dcodorant for men2140 41 0 10 3 6 0 dry skin cleansing cream
	ercani 50 g Valledrine (971 PSMB)	m 60	0 —	7	6	1413J 37 0 9 3 <b>5 5</b> 1413L 61 0 15 3 <b>8 11</b>
Insert	linctus 125 m		0 — 8ea —	5 70	0 †s4B 0 †s4B	eau de Cologne for men2028 66 0 16 6 <b>9 8</b> 2029 112 0 28 0 <b>16 4</b>
Delete	4 oz & 40			10	2 10±D	English complexion cream 1414J 37 0 9 3 5 5
Insert	Vallergan (971 PSMB) syrup 125 m		0 —	6	<b>3</b> †s4B	1414L 61 0 15 3 <b>8 11</b>
Delete Insert	forte 125 in		0 —	12	9 †s4B	refill 14 31 0 7 9 <b>4 6</b>
Delete	Varleones (1229 T&C)	OZ				cye shadow stick 17 50 0 12 6 7 4 eye shadow 18 33 0 8 3 4 10
20000	Varidase (746 Lederle) oral tablets	2 21	8ea —	32	6 TS	feather foundation powder base1516 40 0 10 0 <b>5 10</b>
	Vaseline (256 CPL)				6	Florentine lipstick case 146 18 0 4 6 2 8 foundation cream1410 37 0 9 3 5 5
	shampoo cream bottle			7 2 10½ 3	9	hair-control cream tube 2234 26 0 6 6 3 10 jar 2235 33 0 8 3 4 10
Delete						lotion2232 50 0 12 6 <b>7 4</b>
Insert Delete	Velvex (941 PVSL)	oz 72	0 —	8	0	halr tonic for men2231 40 0 10 0 5 10
Insert	Volvex (1275 VCP) Veneto (654 Innoxa)					hand cream1415 31 0 8 0 4 6 1415L 50 0 12 6 7 4
	skin perfume sin		$\begin{array}{cc} 0 & 20 \\ 0 & 28 \end{array}$	9 <b>12</b> 9 <b>17</b>	6	lavender bath essence 7266 73 0 18 3 10 8 perfume
	atomiser		0 30	6 18	6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	sterile disposable lnfu-		0			7284 91 0 22 9 13 3 7286 139 0 34 9 <b>20 3</b>
Delete	slon set Vesprai (1176 Squlbb) all pr	oducts	0 —			7288 248 0 62 0 <b>36 2</b>
1	Vigortone (918 Or-Lem) blackcurrant julce	23	6 3	6 2	9	crystallised Cologne 7270 46 0 11 6 6 9 spray mist 7247 94 0 23 6 13 9
	glucose drink Viscopaste (1155 S&N)		3 2	9 2	3	liquefying cleansing cream 1412J 37 0 9 3 5 5
	zinc bandage, B.P.C. Vitabiltz (1017 PO)	30	0 —	3	6	1412L 61 0 15 3 <b>8 11</b> mascara 19 51 0 12 9 <b>7 5</b>
	electronic flashgun X-X-2			441	0	rcfill 20 31 0 7 9 4 6 moisture creme lipstick4469 34 0 8 6 5 0
	Vitalis (172 BMCL) 4		1 9	9 5	9	moisture make-up powder base1510 47 0 11 9 6 10
	vitavel (1285 Vltainlns) syrip 100 m	ils 21	0 —	2	71/2	pre-electric shaving
	Vlules (147 Boots) heparin 25000 lu/mll	1 84	0 —	10	6	rose anti-perspirant1140 44 0 11 0 6 5
	Volidan (179 BDH) tablets	20 80	0 -	10	0 †s4B	ronge cream 5 33 0 8 3 4 10 shampoo for mcn 2027 31 0 7 9 4 6
	Volpar (179 BDH)		0 —	4	0 t	shaving bowl plywood container 2155 50 0 12 6 7 4
	paste 60 g	m 32		4	0 †	wooden bowl2055 72 0 18 0 10 6 shaving cream lather2056 31 0 7 9 4 6
Delete	paste and applicator	12 32		4		brushless
	Vulfix (1012 PSB) shaving brushes					shaving lotion: tender
	Saloon plastic base, nylon bo	und				stick2153 31 0 7 9 4 6
8	No. 629 No. 630	52 65	6 13 0 16	1 7 9	9	refill
9	No. 631 solld pure bristle, nyle	75	0 18	9 11	Ō	1707L 46 0 11 6 6 9 talcum, invisible2008 37 0 9 3 5 5
	No. 803	85	0 21	3 12	6	shower2009 41 0 10 3 6 0 violet hair oil1934 28 0 7 0 4 1
	No. 2197	17	0ca 4	3ca 30	0	vitamin skin food 1411J 44 0 11 0 6 5 1411L 66 0 16 6 9 8
ris in the second	No. 2198 No. 2199	22 28	8ea 5 4ea 7	8ea 40 1ea 50	0	Zoff (1155 S&N)
i I Insert	Watameter (980 Photopla) rangefinder 11	V2 39	10ea 9	9ea 69	6	plaster remover 20 oz 63 6 — <b>7 5 Zynocin</b> (378 Dlsta)
Ti I	super Waymaster (999 PEC)	V3 42	8ea 10	6ea 74	6	lozenges 12 20 0 — 2 6 †87
Ď	personal scale 7	20 37	2ea 3	8ea 59	5	ADDITIONS TO KEY TO SUPPLIERS:
	weston (1099 SW) exposure meter			045	0	(74 Astric) = ASTRIC PRODUCTS, LTD., 261 Queens Park Road,
P	Master V Whispering Mist (1326 Whi	sper) 44	0 11	<b>215</b> 0 <b>6</b>	0 6	Brighton, Sussex. Brighton 64959. (174 BA) = BRITISH ALKALOIDS, LTD., Pinners Hall, Austin Frlars,
T	white Fire (544 Grossmith) hath crystals	09 48	0 12	0 7	0	London Wall, E.C.2. London Wall 3711.
Ü.	bouquet (	03 32	6 8 6 7	1½ 4 7½ 4		(244 C&SL)=CHAPMAN & SMITH, LTD., Safir Works, East Hoathly, Near Lewes, Sussex. Halland 323.
734.E	perfume	00 30	6 7 0 8	7½ 4 6 5		(287 Collo) = COLLO (ENGLAND), LTD., 14 Cresplgny Road, London, N.W.4. Hendon 7979.
制	talcum	03 34	0 8	0 3		At 11.4. Holldon 1010.

Fro Manu

- (474 Fordham) = FORDHAM LABORATORIES, 210 Lambeth Road, London, S.E.1. Waterloo 6706.
  (614 Hoechst) = HOECHST PHARMACEUTICALS, LTD., Portland House, Stag Place, London, S.W.1.
  (623 Hormo) = HORMO-PHARMA, LTD., 7 Cleveland Row, London, S.W.1. Whitehall 0562.
  (620 H.) = NOWARD, LLOYD, & CO., LTD., Rorger House, 26 Rorkeley.

- (623 Hormo)=HORMO-PHARMA, LTD., 7 Cleveland Row, London, S.W.1. Whitehall 0562.
  (629 HL)=HOWARD LLOYD & CO., LTD., Berger House, 36 Berkeley Square, London, W.1. Grosvenor 6801.
  (738 Lawson)=LAWSON & CO. (MERCHANTS), LTD., Cranmer House, Cranmer Road, London, S.W.9. Rellance 8471.
  (769 Lloyd Hamol)=LLOYD-HAMOL, LTD., Berger House, 36 Berkeley Square, London, W.1. Grosvenor 6801.
  (770 LP)=LLOYDS PHARMACEUTICALS, LTD., Berger House, 36 Berkeley Square, London, W.1. Grosvenor 6801.
  (796 MR)=MARCEL ROCHAS (ENGLAND), LTD., 19 Grosvenor Street, London, W.1. Hyde Park 6511.
  (869 Muir)=MARJORIE MUIR of LONDON, LTD., 1a Carlton Hill, London, N.W.8. Primrose 9979.
  (937 Parispk)=PARISEK, LTD., Greencoat House, Francis Street, London, S.W.1. Tate Gallery 9212.
  (945 Payot)=PAYOT, LTD., 1 Grafton Street, London, W.1.
  (972 Pharmax)=PHARMAX, LTD., Thames Road, Crayford, Kent.

- (972 Pharmax)=PHARMAX, LTD., Thames Road, Crayford, Kent. Crayford 21414.

- Crayford 21414.

  (986 Playtex) = PLAYTEX LTD., Port Glasgow, Renfrews.

  (1034 R&P) = RAYNER & PENNYCOOK LTD., Rayvit House, Govett Avenue, Shepperton, Middlesex. Walton-on-Thames 27237.

  (1054 R&A) = RICHARDS & APPLEBY, LTD., York House, Westminster Brldge Road, London, S.E.1. Waterloo 4679.

  (1201 Supervite) = SUPERVITE MANUFACTURING CO., LTD., 107 Great Eastern Street, London, E.C.2. Clerkenwell 0827.

  (1202 Surface) = SURFACE PROTECTION, LTD., Talbot Works, Stanstead Abbotts, Ware, Herts. Stanstead Abbotts 174.

  (1208 Syn) = SYNCHEMICALS, LTD., 234 Borough High Street, London, S.E.1. Hop. 2918.

  (1262 UL) = UNIVERSAL LABORATORIES, LTD., Sandwich, Kent. Sandwich 2371.

  (1288 Vandre) = VANDRE, LTD., 220 West Regent Street, Glasgow, C.2.

- (1268 Vandre) = VANDRE, LTD., 220 West Regent Street, Glasgow, C.2.
- Clty 5334.

  (1273 VG)=V. G. TRADING & FINANCE CO., LTD., 12 Fulwood Place, London, W.C.1. Chancery 8986.

  (1316 WPL)=WEMBLEY PRODUCTS LTD., 17 Green Lanc, Yeadon,
- Lceds.

  (1425 Fulder) = M. FULDER & CO., LTD., 41 Trinity Square, London, E.C.3. Royal 1326.

  (1453 Norcil) = NORCIL PHARMACEUTICALS, LTD., 81 Upper Clapton Road, London, E.5. Upper Clapton 7073.

  (1454 Dermal) = DERMAL LABORATORIES, LTD., 99 Baker Street, London, W.1. Welbeck 3956.

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- (1458 MLL) = MEESON LABORATORIES, LTD., 149 Sunbridge Road,
- (1458 MLL)=MEESON LABORATORIES, LTD., 149 Sunbrldge Road, Bradford, 1, Yorkshire. Bradford 22220.
  (1459 Polyglaze)=POLYGLAZE, LTD., Vlctoria Road, Burgess Hill, Sussex. Burgess Hill 3259.
  (1460 Dome)=DOME, DIVISION OF MILES LABORATORIES, LTD., Stoke Court, Stoke Poges, Slough, Bucks. Farnham Common 1280.
  (1462 Rolac)=ROLAC (GREAT BRITAIN), LTD., 113 Princess Street, Manchester. 1.
  (1463 C194)=C194 PRODUCTS, LTD., 46 Hertford Street, London, W.1. Mayfair 3732.
  (1466 Nichol)=NICHOL BEAUTY PRODUCTS, LTD., Old Farm Avenue, Southgate, London, N.14. Foxlane 0181.
  (1467 RRL)=RUSSELL RESEARCH, LTD., 65 Victoria Street, London, S.W.1. Sullivan 2766.

# THIS WEEK'S CHANGES

NEW and altered entries notified for the first time A = Advanced. R = Reduced.

Entries new this week are marked thus:

	Entries new this we	ek are ma	IKeu	mus: -	
	Aldomet (837 MSD)				
0	injection 50 mgm/mil 5 mgm	nils 15	()ea	3 9ea	26 3
	AquaMephyton (837 MSD)				
	solution for jujection 1 mi	il 6 22	6ea		33 9
	Bifuran (1153 SKF)				
R		lb. 31	6ea		47 3
		lb. 159	6ea		50 0
		lb. 728	0ea		32 0
		lb. 1344	0ea	15	36 0
9	Dicumoxane (824 MCP)	~			= 401
				13 6	
		100 14		3 71ea	
		500 - 59	6ea 14	. 10 <u>å</u> ea <b>1</b>	04 1½
	Dols' (381 DVF)	:- 000	0	10 0	00 6
A	flannel $36 \times 28$			19 0 25 0	29 6 15 0
	$18 \times 28$ $9 \times 28$			13 0	8 0
	$\frac{3 \times 25}{13 \times 14}$			H 0	6 6
	Kaovax (901 Norton) 4		0ea		0 0
		oz 14	0ea		
	Neovax (901 Norton)4		6ea	_	
		oz 35	0ea		´
Delete	Nitensar (61 APC) tablets	02 00	OCH		
•	Norsed (901 Norton)				
	tablets	100 7	0ea		
		500 - 32	Gea		
	Peptonc (61 APC)				
Delete	Polyansyn (61 APC) ampor	ıles			
	Trophysan (324 Crookes)				
Insert	Trophysan (1106S)				
	Xylocaine (68 AH)				
Corr.	eartridges 2 mils	60 - 228	0	_	25 0

\*The most popular hairspray

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